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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVI

NEW YORK, JANUARY 14, 1925

No. 2

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*Soda Ash
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PHILADELPHIA CHICAGO
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Deal Direct with the Manufacturer

In This Issue { *Industrial Alcohol Bureau Urged
Bevans on Marking Imported Goods*

Acetic Anhydride



*The
Mark
of
Dependability*

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CARBON TETRACHLORIDE
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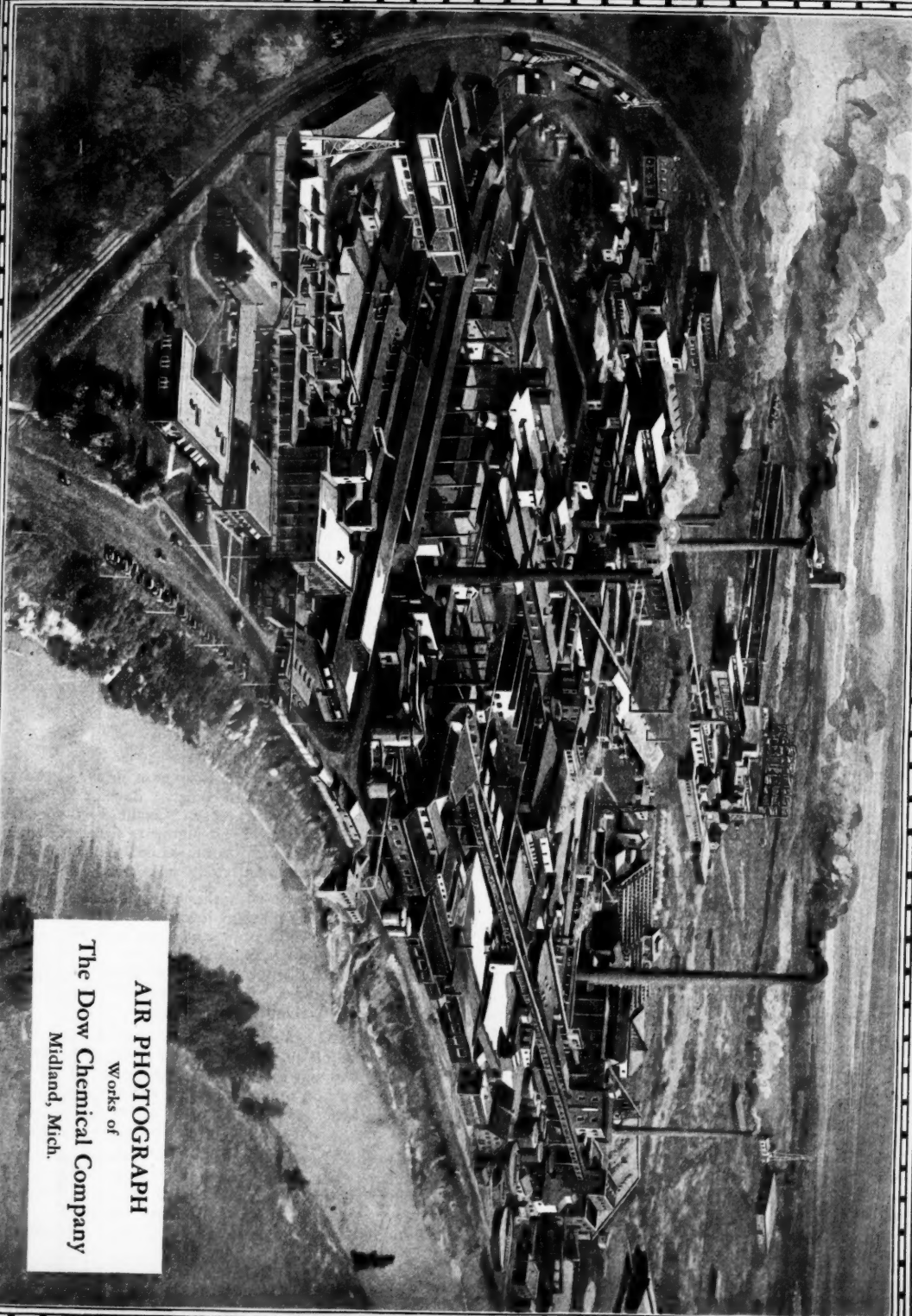
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DRUG & CHEMICAL MARKETS

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VOL. XVI

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The Week in Brief

News

Synthetic dye imports in 1924 show a decrease of 272,203 pounds in quantity compared with 1923 imports, and a decrease of \$320,665 in value.

Testifying before the Sub-Committee of the Senate Judiciary Committee, members of leading drug and chemical associations urged amendments to the Cramton bill which will provide for a Board of Appeals and for an Industrial Alcohol Division of the Prohibition Unit with a chemist as chief.

Japan will revise the tariff on drugs and chemicals. The recent "luxury" rates have not checked the purchase of luxuries abroad, but have increased the prices of daily necessities included in the list.

Markets

Industrial chemicals continue to gain in strength although trading remains quiet. Barium carbonate higher. Copper sulfate easy. Oxalic acid unsettled. Prussiates up again. Lead pigments firm at advance. Bichromates firmer. Ammonium chloride weak. Potash alum firm. Antimony salts steady at advance.

Intermediates strong with the exception of para-nitro-aniline which is selling at lower levels. Demand continues dull. Aniline oil and beta-naphthol holding firm. Ortho-toluidine firm at recent advance. Pyridine higher. Phenol, cresylic acid and naphthalene remain very quiet. Benzene steady. Toluene scarce and active. Solvent naphtha firm.

Vegetable oils generally steady. Cottonseed oil firm. Chinawood oil quiet. Linseed oil unchanged. Corn oil firmer. Animal oils continue strong in several items and ease off on others. Greases easier. Lard oil firm. Tallow easier. Fish oils show but little improvement. Cod oil firmer. Menhaden oil quiet.

Fine chemicals show tendency to advance on scarcity. Codliver oil is higher on active demand and firmer shipment prices. Bromides are steady. Menthol is lower on spot, although Japanese producers appear firm due to high cost of oil. Potash permanganate is firmly held.

Crude drugs appear to be on the upward trend. Lycopodium, lobelia herb, Rio ipecac, cardamoms, and marjoram leaves are scarce. Dalmatian insect flowers are not being offered at the moment. Belgian valerian root is firm.

For the Lake Trade

Among the products that comprise the Calco list of dyes and intermediates are the following Specialties that are standardized particularly for the manufacture of pulps, paints and printing inks:

Acid Color

Calco Lake Orange
11, 11YS
Calco Lake Scarlet
2R, RX, 3RX
Calco Bordeaux BS, B, Y
Calco Tartrazine RXL, MCG
Calco Naphthol Yellow

Basic Colors

Calco Methylene Blue
2B, 2BC, 2BX
Calco Methyl Violet
4BB Ex. Conc.
Calco Malachite Green V
Calco Fuchsine RS
Calco Crystal Violet

Intermediates

Calco Beta Naphthol
Calco Paranitraniline
Calco Meta Nitro Para
Toluidine
Calco Mono Sulphonic Acid

Specialties

Calco Nigrosine Base
Calco Victoria Blue Base
Calco Methyl Violet Base
Calco Alkali Blue L

In addition to these products we are prepared to furnish special types to meet your particular requirements.

*Let us help you select the Calco
Standard best suited to your needs.*

"A Mark of Quality"



THE CALCO CHEMICAL COMPANY
Bound Brook N.J.

Canadian Representative, Dillons, Ltd., Montreal, Toronto

CHEMICALS *and* SOLVENTS

Acetate of Lime

Acetone, C. P.

Acetone
(Methyl)

Methanol
(All grades)

Denatured Alcohol
(All formulas)

Formaldehyde

Hexamethylene Tetramine

Magnesia

Para Formaldehyde

Phenol

Turpentine
(Pure Gum Spirits)

Whiting



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342 MADISON AVE.

NEW YORK CITY

DRUG & CHEMICAL MARKETS

VOL. XVI

— NEW YORK, JANUARY 14, 1925

No. 2

AN APPRAISER ON DYE PROTECTION

The successful working of the tariff on dyestuffs is reviewed by F. J. H. Kracke in an address delivered before the Synthetic Organic Chemical Manufacturers' Association, in which the appraiser at New York demonstrates the efficiency of the Customs Division of the Treasury Department. It was a stupendous task to establish a large modern dye testing plant and gather 4000 pre-war foreign standard samples and 1100 domestic samples of products manufactured at 45 American plants. Up to the present time more than 750 standards of strength covering over 1600 names of foreign dyes have been established by the Treasury. In place of the original lists of 1300 competitive and 500 non-competitive dyes nearly 700 competitive and 900 non-competitive foreign dyes have been established by tests on actual importations. The chemists who undertook these tests deserve unstinted praise for thoroughness and care in compiling the valuable lists by means of which the American dye industry is protected against foreign manufacturers who are watching every opportunity to capture the American market.

BY-PRODUCT ACETONE

Acetone is a vivid example of a dollars-and-cents problem that always looms up on the chemical horizon. It began its varied commercial career as a by-product in the wood distillation manufacture of methanol. Uses for acetone multiplied and consumption increased till it assumed a position of major industrial importance. Indeed, during its "aeroplane dope" and gunpowder days of the war, when its price sailed up to 30c, it was a product of prime consideration for makers and users, and especially for speculators. Now surplus supplies are flooding into the market as a by-product in another, newer branch of the chemical industry.

Fermentation acetone is a by-product in the production of butyl alcohol. The demand for butyl alcohol is heavy and is likely to be heavier as time goes on owing to the increased use of butyl acetate lacquers in place of varnishes. To keep butyl alcohol production up, the maker must also produce acetone in larger quantities. Because the

acetone is a by-product, it can be sold at almost any price just so long as the producer gets rid of it. To-day, there is one maker of butyl alcohol in the United States, producing enough fermentation acetone to cause a price war. Within a few months, another butyl alcohol plant will begin operation at Peoria, Illinois, with a capacity of two million pounds of butyl per month. This plant will, of necessity, also produce its share of by-product acetone.

The price of acetone has been cut down to twelve cents per pound and may go down as low as eight cents if the present war between producers of the fermentation product and the acetate of lime material, continues. Judging from the view just over the horizon, this battle of prices is not likely to end for some time and during the period, relation between cost of production and selling price is likely to be forgotten. The chief beneficiary is and will continue to be the consumer, who can experience the sensation, not altogether uncommon where chemical consumers are concerned, of buying a raw material at about half of its production cost.

This is the situation which manufacturers of acetone from acetate of lime are up against. They cannot turn out acetone at twelve cents or in some cases higher, and break even. When it comes to eight or ten cents, the price is far under cost and the continuation of a market at this level might eventually force them to retire. Of course, acetate of lime is more or less a by-product from the production of wood alcohol, and the derived acetone might be considered in the same light by the producer. The acetone manufacturer who has to buy his "lime", however, looks to be hopelessly out of it for some time to come.

Back of this acetone price war, lies the real menace to the chemical industry to-day, the newly developed by-product which is forced on the market to compete with an established primary product. Naturally, nobody is to blame. The new by-product developments are merely sidelights on the march of industrial progress. To attempt to prevent this march, would be futile, and as time goes on, the chemical industry must be prepared to stand ever increasing competition from this by-product development.

A NEEDED BUSINESS REFORM

An attempt to standardize the invoice, purchase order and inquiry forms used in the United States is being made today, Jan. 14, at a conference in Washington of representatives of 41 national trade associations and the National Association of purchasing Agents. Producers have complained for some time of the nuisance of billing sales on invoice blanks provided by customers. The great diversity of forms used causes tremendous waste, it is claimed, and the Division of Simplified Practice of the Department of Commerce is co-operating with the National Association of Purchasing Agents to eliminate the loss to industry by the complicated system now in use. It is estimated that the annual waste is \$15,000,000.

Among the industries lending support to the standard form are manufacturers of paper, asbestos, steel barrels, silk, leather, oil cloth, tiles, glass, refractories and iron and steel. The standard form was adopted by the Purchasing Agents Association at the Philadelphia meeting in 1921. Invoices of the standard size save clerical help by reducing handling, filing, checking, and recording. The aid given to the movement by the Simplified Practice Division is the crowning effort to bring about the general adoption of the standard forms. Credit for the stupendous work of organization and publicity given to the plan is due the Association of Purchasing Agents.

BUYING WISELY AND UNWISELY

When the consumer buys only after surveying the market quietly, he usually buys wisely. But when he jumps into the market by a set rule, which states that one should first send out inquiries to all the different sources of supply, and then take the cheapest price offered, he may buy unwisely. When stocks of a certain item were low recently, a certain consumer made inquiry of nearly every chemical house in the country. If he had made inquiry of one house only, and allowed them to buy the goods, he probably would have saved a nice little sum. But he came into the market when stocks were low, and the result was that whoever had the material, raised the price as high as possible. When nobody wanted the goods, the price was nominal, but when everybody was making inquiry of each other, the price was immediately jumped up.

Set rules are alright at times, but in this instance, it would have been better for the consumer to make inquiry quietly, and not broadcast his needs. If stocks of this particular item had been heavy, he probably would have been complimented on his shrewd buying instinct. As a safety-first rule, a preliminary survey is necessary in order to find out whether stocks are plentiful. After the survey, the buying is relatively easy, and depends only upon quality and price.

Carbonated beverages stimulate respiration and cause a more active ventilation of the blood, says a

physician who has invented an inhaler for resuscitating victims of poisoning by carbon monoxide fumes, and he has used this fact in a scientific way by mixing carbon dioxide with oxygen. When a worker in a gas-house was overcome in the old days, his comrades ran for a bottle of Weiss beer. They knew it was effective, but they did not know that the carbon dioxide in the Weiss beer stimulated the breathing, drawing oxygen into the lungs. The respiratory center in the lower part of the brain is said to be sensitive to carbon dioxide, but is not affected by oxygen alone. The invention is intended as a means of saving persons overcome by gas from faulty heaters and automobile exhausts in a tightly closed garage.

Ten Years Ago

From "Drug & Chemical Markets" of Jan. 13, 1915:

The Drug Trade Section of the New York Board of Trade and Transportation at its annual meeting in the Drug and Chemical Club last Wednesday elected these officers: Chairman, Irving McKesson, of McKesson & Robbins; vice-chairman, Frank L. McCartney, of Sharp & Dohme; treasurer, William A. Hammann, of the Roessler & Hasslacher Chemical Company; secretary, William F. McConnell.

F. W. VanLoon, of Philadelphia, has been awarded a contract for the erection of two dye factory buildings at Marcus Hook near Chester, Pa., for the Benzol Products Company, for \$75,000. Employment will be given there to about 500 men and boys.

About 30 years ago the stock of natural indigo in London was usually about 2,000 tons and almost a neighborhood of warehouses and offices were exclusively engaged in its transactions. In August the stock was 150 tons, today 25 tons. The price of good quality in July last was 3s 6d per lb., today it is 15s 6d. The trade is reviving, as intimated in a previous letter, but taking all the bearings into consideration, it is doubtful whether its existence will be anything more than a temporary one or survive for long after the war, which is responsible for having brought it to the front again.

Phenol has been slower than some other articles to advance, but it has climbed slowly—never has fallen back a fraction and has maintained a firmness all the way through, which is now believed to portend another advance.

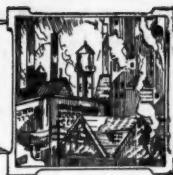
England has been supplying the United States with acetanilid since the war began, except for certain shipments from Germany by way of Rotterdam and other neutral ports. It is believed that the withdrawal of the stocks for America is to enable England to accumulate a reserve supply for the army in France and for her Allies.

A fund of \$1,000,000 to prosecute credit criminals was appropriated at a meeting of the National Association of Credit Men, at the Hotel Astor, New York, Jan. 8. The National Association of Credit Men is the largest commercial organization in the country, having a membership of 30,000. Assistant U. S. Attorney Garrett W. Cotter said the amount obtained annually by credit crooks is probably \$400,000,000.



Industrial Chemical

SECTION



Freight Rates and the Chemical Industry

A Study of the Eastern Class Rate Investigation and the Status of Chemical Transportation

By HARRY M. MABEY,

General Traffic Manager, of the Mathieson Alkali Works

FREIGHT rates can make or break any industry. The expression "position is everything in life" is no more apt than "location is everything in industry", for only with a good location and a favorable freight rate to the big consuming markets, is mass production possible. Natural resources without shipping facilities and favorable rates, are not resources. Even those industries which to-day are favorably located, may be cast out into the cold to-morrow by a change in the rates for transporting their products.

Harry Mabey who is general traffic manager for one of the largest American alkali producers, and chairman of the Traffic Managers' Council of the Associated Industries of New York State, has followed closely the present Eastern Class Rate investigation, and knows the effect which freight rate changes will have on the chemical and chemical consuming industries. As one of the foremost traffic men in the industry, his analysis of the freight rate situation is authoritative.

This is the second section of Mr. Mabey's study of the freight rate situation, the first appearing in last week's issue, DRUG & CHEMICAL MARKETS of Jan. 7.—The Editors.

Most apparently every industry, every shipper or receiver of freight, and every person residing in Official Classification territory, will be affected directly or indirectly by the outcome of this investigation. The word investigation is used advisedly, and its use by the Commission presupposes that every party at interest will express its views in this matter, upon the record, in public hearing, to the end that its decision be taken with full cognizance of all pertinent facts. It were absurd to imply that a detailed analysis of these proposals, upon which the carriers have many experts working since 1918, can have been made by any industrial traffic manager in the short space of time which has elapsed since their publication.

The statement of the Interstate Commerce Commission, which is quoted above, in full, makes it plain that the entire rate structure East of the Mississippi River is in issue. In addition, the Commission indicates that the intrastate will be taken into consideration. Evidence in regard to intrastate rates will be freely admitted at their hearings, and the various State Commissions have been invited to co-operate.

The questions which the Commission indicate they will inquire into, cover every possible phase of the question, but an outstanding fact is conveyed to any reader,—that the Commission will approach this investigation with an open mind, and intends to work even-handed justice to all. No one can find fault with the result unless he has done his share of the work in this investigation.

Many organizations of shippers, throughout the territory affected, have made definite arrangements to adequately protect their common interests. The Associated Industries of New York, for instance, began, in behalf of its membership, as far back as June, 1924, to study this matter. Clark and La Roe, of Washington, emi-

nent, commerce counsel, were retained by the Association, and Charles E. Bell, of Washington, traffic expert and analyst, commenced a study of the merits of the carriers' proposals, in behalf of the Associated Industries. The vastness of this work is shown by the fact that after several months work, these studies are still unfinished.

The effect of the proposals of the carriers can only be indicated in a general way. By recalling, as previously shown herein, the great number of chemicals and drugs which move under class rates, in both carloads and less than carloads, the additional burden of freight rates which it is proposed to impose upon this industry will be apparent. In fact, one does not have to be a traffic expert to realize that the nature of manufactures throughout this territory is such, that more tonnage actually moves under the first four classes than anywhere else in this country. Recall, for example, besides chemicals and drugs, textiles, boots and shoes, dairy products, fruit and vegetables, furniture, automobiles, chewing gum, confectionery, leather, hardware, rubber goods—and a host of others.

The carriers advance the following reasons for proposing to, literally, supplant the present freight rate structure of the trunk line territory with an entirely new and radically different one, and one of a higher level.

First, that they had to do this because the Commission refused to grant Fourth Section relief. We have shown that the carriers did not make an effort to obtain this relief; made no attempt to develop the facts, which would probably have shown clearly the relative unimportance of the Fourth Section violations. On the contrary, they said they proposed to readjust their rates, and then ask for this very relief from the Fourth Sec-

tion violations, which their readjustment would create. In the C. F. A. Scale Case, when the Commission ordered a mileage scale established, they also granted Fourth Section relief to cure the violations resulting.

Second, that because all the class rates in Trunk Line territory, treated as a whole, showed a varying average relationship to those on the West, in Central territory (the basis of which dates from 1917), and likewise to those on the East, in New England territory (dating from 1918), therefore, the rates on tank line territory must be harmonized therewith. Harmony suggests a musical sound, therefore, the proposed rates are supposed to sound well; this is a far cry from the old fashioned practical method of making rates to fit commercial needs. The strength and earning power of the great trunk lines in this territory is well known. Statistics show that their status is better than in either the territory West of them, or in New England to the East. Notwithstanding this, the general effect of these proposals, would be to instal a higher rate structure in trunk line territory than that prevalent in Central Territory. It is significant that the lines in Central Territory, with their lower rate level, are not proposing any increase in their rates, intraterritorially.

Third: The carriers say that there must be a definite relationship between the classes. Without disputing this view, it is evident that the result of the revision depends upon the starting point on which the relationship is based. Instead of taking a reasonable first class rate for the start, they take the low class as a basis for making the other classes. This results in holding fifth and sixth class nearly where it is, but materially increases the first, second, third, and fourth and all higher classes.

Fourth: The carriers say that their proposals are not for the purpose of obtaining an increase in revenue; that any advances are merely incidental to the general readjustment. If this is said in good faith, it is evident that the incidental advances should be counter-balanced by compensating reductions. Such reductions are not apparent in these proposals. The reduced rates which do appear, are found likely to apply upon unimportant tonnages, and are non-representative.

Fifth: The carriers say that while there are increases, a great many reductions are made. On paper, this is undoubtedly true. In general it appears that the lower classes are slightly reduced on some hauls, but articles under these classes ordinarily move on commodity rates. Rates in certain sections of Virginia, Southern Pennsylvania and Northern New York, which have always been high, are now materially reduced.

Increases Severe and Unreasonable

In the congested manufacturing territory, everywhere, increases appear in these proposals, even on fifth and sixth class rates. On the higher rates the increases are severe and unreasonable. On the first four classes, in which we are particularly interested, increases are proposed on practically all through rates within the Trunk Line territory, and from, or to, points in adjoining territories. It may be relied upon, however, that application will be made to the Commission, and that they will act favorably upon it, to the end that the carriers will be compelled by a definite and actual traffic test, to show exactly what effect upon their actual revenues the application of these, their proposed rates, will have. A few examples of typical rates are shown below, to indicate the increases which are proposed, and the nature and measure of the reductions, within trunk line territory:

		Between Poughkeepsie, N. Y. & Roanoke, Va.					
		1	2	3	4	5	6
Present	.....	151	133	106½	69	60½	50
Proposed	.....	120	102	80½	60	42	33½
		Between Poughkeepsie, N. Y. & Rochester, N. Y.					
		1	2	3	4	5	6
Present	.....	66½	56½	47½	34	28½	25
Proposed	.....	83	70½	55½	41½	29	26
		Between Charleston, W. Va. & Altavista, Va.					
		1	2	3	4	5	6
Present	.....	106½	93	70	48	40½	33½
Proposed	.....	88	75	50	44	31	24½
		Between Charleston, W. Va. & Philadelphia, Pa.					
		1	2	3	4	5	6
Present	.....	114½	100	75½	52	44½	37
Proposed	.....	117½	100	78½	59	41	33
		Between Niagara Falls, N. Y. & Roanoke, Va.					
		1	2	3	4	5	6
Present	.....	129	113	97	60½	56½	46
Proposed	.....	126½	107½	85	63½	44½	38½
		Between Niagara Falls, N. Y. & Rochester, N. Y.					
		1	2	3	4	5	6
Present	.....	34	27	21½	17½	14½	9½
Proposed	.....	52	44	35	26	18	14½
		Between Niagara Falls, N. Y. & Philadelphia, Pa.					
		1	2	3	4	5	6
Present	.....	79	68½	54½	37½	32	26½
Proposed	.....	97	82½	65	48½	34	27
		Between New York, N. Y. & Roanoke, Va.					
		1	2	3	4	5	6
Present	.....	114	97	78½	53½	47½	40½
Proposed	.....	111	94½	74½	55½	39	31
		Within Trunk Line Territory					
		Between New York, N. Y. & Rochester, N. Y.					
		1	2	3	4	5	6
Present	.....	66½	56½	47½	34	28½	25
Proposed	.....	89	75½	59½	44½	31	25
		Between New York, N. Y. & Altavista, Va.					
		1	2	3	4	5	6
Present	.....	115	99	81	57½	50	40
Proposed	.....	111	94½	74½	55½	39	31
		Between New York, N. Y. & Philadelphia, Pa.					
		1	2	3	4	5	6
Present	.....	41½	34	28½	22½	19½	15½
Proposed	.....	58	40½	39	29	20½	16
		Between New York, N. Y. & Charleston, W. Va.					
		1	2	3	4	5	6
Present	.....	116½	102	77½	54	46½	39
Proposed	.....	126½	107½	85	63½	44½	35½
		Between New York, N. Y. & Poughkeepsie, N. Y.					
		1	2	3	4	5	6
Present	.....	41½	34	28½	22½	19½	15½
Proposed	.....	58	40½	39	29	20½	16
		Lighterage Delivery					
		1	2	3	4	5	6
Present	.....	41½	34	28	22½	19	15½
		Track Delivery					
		1	2	3	4	5	6
Present	.....	40½	32	25½	21½	17½	13
Proposed	.....	58	49½	39	29	20½	16
		Between Trunk Line and New England and Central Territory					
		Between Boston, Mass. & Cleveland, Ohio					
		1	2	3	4	5	6
Present	.....	108	94½	72	51	43	35½
Proposed	.....	121½	103½	81½	61½	43	34
		Between Boston, Mass. & Cincinnati, Ohio					
		1	2	3	4	5	6
Present	.....	130½	114½	87	61½	52	43½
Proposed	.....	147	125	99	74	52	41
		Between Boston, Mass. & Detroit, Mich.					
		1	2	3	4	5	6
Present	.....	118	103	78½	55½	47	39
Proposed	.....	132½	112½	89	67	47	37
		Between Boston, Mass. & Chicago, Ill.					
		1	2	3	4	5	6
Present	.....	149	130½	99½	70	59½	49½
Proposed	.....	168	143	113	84½	59½	47
		Between New York, N. Y. & Cleveland, Ohio					
		1	2	3	4	5	6
Present	.....	101	88½	67	47	40	33½
Proposed	.....	114½	97½	76½	57½	40	32
		Between New York, N. Y. & Cincinnati, Ohio					
		1	2	3	4	5	6
Present	.....	123½	108½	82	57½	49	41½
Proposed	.....	140	119	94	70	49	39
		Between New York, N. Y. & Detroit, Mich.					
		1	2	3	4	5	6
Present	.....	111	97	73½	51½	44	37
Proposed	.....	125½	106½	84	63	44	35
		Between New York, N. Y. & Chicago, Ill.					
		1	2	3	4	5	6
Present	.....	142	124½	94½	66	56½	47½
Proposed	.....	161	137	108	80½	56½	45
		Between Trunk Line and New England and Central Territory					
		Between Albany, N. Y. & Cleveland, Ohio					
		1	2	3	4	5	6
Present	.....	97	85	64½	45	38½	32
Proposed	.....	110	93½	73½	55	38½	31
		Between Albany, N. Y. & Cincinnati, Ohio					
		1	2	3	4	5	6
Present	.....	118½	104	78½	55	47	40
Proposed	.....	134½	114½	90	67½	47	37½

(Continued on page 108)

NAME OFFICERS FOR ANDERSON CHEMICAL
(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., Jan. 14.—Anderson Chemical Co., Wallington, N. J., which was purchased on Dec. 24 by Merrimac Chemical Co., Boston, will be operated by the Merrimac company under the name of Anderson Chemical Co., but with new officers and directors. Charles Belknap, executive vice president of the Merrimac Chemical Co. is president, S. W. Lichtenwalter formerly assistant to the president of the Merrimac, is vice president, William Warren, assistant treasurer of Merrimac becomes treasurer of Anderson, and Miss Josephine Eberhard continues as secretary.

A temporary board of directors was elected consisting of Mr. Belknap, Mr. Lichtenwalter and Edward P. Brown, attorney for the Merrimac, but the permanent board will be elected shortly and will consist of George H. Clough, president of Russell Co., Boston, general managers of Merrimac Chemical Co., Salmon W. Wilder, president Merrimac Chemical Co., Charles Belknap, Andrew F. Carter, a member of the board of directors of Merrimac, S. W. Lichtenwalter and Josephine Eberhard.

HEAVY CHEMICAL EXPORTS DECLINE
(Special to DRUG & CHEMICAL MARKETS)

Washington, Jan. 14.—The aggregate value of industrial chemicals exported from the United States during the first eleven months of 1924 shows a decline of 11 per cent from the total of \$24,781,000 shipped during the corresponding period of 1923, according to the Department of Commerce.

The industrial chemicals which showed increases were calcium carbide, worth \$412,000 (9,257,000 pounds), and dextrine, \$832,000 (20,621,000 pounds). Among those registering decreases were aluminum sulfate, \$377,000 (29,435,000 pounds); ammonia and ammonium compounds, \$836,000 (3,118,000 pounds); bleaching powder, \$347,000 (19,912,000 pounds); and glycerin, \$223,000 (1,335,000 pounds). While the quantities of acetate of lime, copper sulfate and formaldehyde exported in the eleven months of 1924 were in excess of shipments in the corresponding January to November (1923) period, the values in each instance were slightly less.

PROTEST BUTTERWORTH-JUDSON SALE

Merchandise creditors of Butterworth-Judson Corp. have organized a committee to protest the forced sale of the company's property on Jan. 21 by order of the United States District Court.

It is estimated that the sale would result in a balance of \$941,509, from which amount all expenses of the receivership and claims of the United States amounting to \$699,731 must be paid. This would leave nothing for the unsecured creditors so the committee proposes to attempt an orderly liquidation instead of the sale at auction. The committee's idea is to form a new corporation and finance the lifting of the receivership after disposing of the assets of the old corporation to advantage.

MATHIESON APPOINTS NEW AGENTS

Baker & Gaffney, Philadelphia, have been appointed sales agents to serve commercial customers in the Philadelphia territory by the Mathieson Alkali Works, New York. Friedlander Supply Corp. will continue to handle the Mathieson line for the laundry and dry cleaning trade in Philadelphia.

Peirce & Stevens, Inc., Buffalo, N. Y., have been appointed local distributor of Mathieson products in Buffalo and the adjoining territory, according to an announcement by the Mathieson Alkali Works.

MUSCLE SHOALS BILLS REJECTED

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 14.—The Senate killed the Underwood plan for leasing Muscle Shoals and rejected the Jones amendment, leaving the situation just as it was six weeks ago.

The final disposition of the Muscle Shoals property has been the main question before the Senate for some time. The Jones amendment, which appeared to have great popularity toward the close of the discussion, proposed the authorization of a commission to consider the disposition of the property. This amendment was reputed to have the backing of the administration. The Underwood bill proposed that President Coolidge have until Sept. 1 to lease the property and in case no favorable lease could be arranged, the President should work out a scheme for federal operation.

The Underwood bill dealt mainly with the nitrate situation, contemplating the adequate supply of nitrogen in time of war. Senator Norris, whose bill was replaced by the Underwood bill, characterized it as a "jame duck refuge," stating that the Government could not manufacture nitrate fertilizers any cheaper than can private manufacturers now operating.

At a meeting of the executive committee of the Salesmen's Association of the American Chemical Industry, held at the Chemists Club, New York, Jan. 6, the following new members were elected: C. A. Bartle, C. R. Caryl, W. A. Bush, E. M. DeBaun, Wm. Mueller and Thos. Cassidy. Plans were adopted for a course of five lectures on "Chemistry in Industry," to be delivered by Dr. Breithut, at Hygiene Hall, College of the City of New York. D. H. Killeffer was instructed to make the necessary arrangements for the course. The next meeting of the association will be held at the Builder's Exchange Club, New York, Jan. 27, and will be addressed by Prof. Allen Rogers on "Some Common Chemicals and Where They Go."

New York Junior Board of Trade and Transportation will hold a testimonial dinner to the officers of the Senior Board at the Hotel Roosevelt, New York, on Thursday evening, Jan. 15. Clarence W. Barron, publisher of the "Wall Street Journal" and president of Doremus & Co., will speak on "Financial Preparedness."

The Customs Service of the Treasury Department has announced the revocation of a dumping order on ferro silicon from Canada. The order has been revoked, says Assistant Secretary of the Treasury Moss in an announcement to collectors "upon reconsideration of the matter and further evidence presented."

James E. Kelly, president of Hagerty Bros., New York, glassware house, sailed on Saturday, Jan. 10, for a six months' trip through Europe. Mr. Kelly will visit all the countries of Europe and will spend some time in the glass manufacturing centers abroad.

The Chemical Club of Philadelphia at its January meeting was addressed on "Magnesite Compositions" by Wm. S. Thorn, who gave in detail the chemistry involved. The next meeting of the club is to be held Feb. 9.

H. P. Rankin, vice-president of the American Magnesite Co., Los Angeles, Calif., arrived in New York late last week for a two week's business stay.

Dudley Dunlop of the New York sales staff of the Mallinckrodt Chemical Works is the father of a son born Jan. 10.

DECEMBER DYE IMPORTS DROP BELOW OCTOBER AND NOVEMBER FIGURES

Value \$283,655, Compared With \$351,887 in November and \$455,787 in October—Last Three Months Heaviest of the Year 1924—Germany Leads With 55 Per Cent of December Shipments, Switzerland 27 Per Cent, and Italy, Belgium, Canada, France and England 5 Per Cent and Less—Total Figures for Synthetic Aromatic Chemicals, Medicinals and Color Lakes

Imports of coal tar dyes for December, 1924, through the Port of New York totaled 314,673 pounds, with an invoice value of \$283,655. Imports of dyes through other ports include Boston, 2,866 pounds, valued at \$1,401. According to the report compiled by the Chemical Division of the Bureau of Foreign and Domestic Commerce and the Chemical Division of the Tariff Commission, the dyes remaining in bonded customs warehouses included the following:

1924	Coal Tar Dyes and Colors (pounds)	Coal Tar Intermediates (pounds)
August 31	507,338	1,081,287
September 30	559,661	1,111,656
October 31	552,556	1,050,037
November	533,760	1,031,460

Imports of dyes through the Port of New York during the entire year 1924 were as follows:

	Pounds.	Value.
January	228,743	\$232,571
February	158,874	176,657
March	293,862	302,016
April	174,880	182,253
May	167,245	165,521
June	147,380	151,331
July	140,810	137,075
August	64,546	71,290
September	152,743	152,477
October	440,466	455,787
November	359,260	351,887
December	314,673	283,655
Total	2,643,482	\$2,662,520

The five leading dyes by quantity imported during December were Alizarin Blue Black, 25,452 pounds; Ciba Violet B, 16,530 pounds; Indanthrene Pink B, 11,724 pounds; Indanthrene Blue GCD, 11,708 pounds; Indanthrene Yellow, 11,684 pounds.

The per cent by country of shipment is as follows: Germany, 55 per cent; Switzerland, 27 per cent; Italy, 5 per cent; Belgium, 4 per cent; Canada, 4 per cent; France, 3 per cent; England, 2 per cent.

The total imports of synthetic aromatic chemicals, through three ports, for the month of December were 11,553 pounds, with an invoice value of \$27,950.

	Pounds.	Value.
January	3,448	\$8,854
February	2,299	5,930
March	4,145	8,182
April	3,228	5,058
May	4,002	15,943
June	4,895	10,500

KEY TO ABBREVIATIONS

1. The Six Leading German Companies

- A....Actien Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.
B....Badische Anilin-und-Soda Fabrik, Ludwigshafen-on-the-Rhine. Founded 1865.
By....Farbenfabriken, vormals Friedr. Bayer & Co., Leverkusen on the Rhine. Founded 1862.
C....Leopold Cassella & Co., Frankfort-on-the-Main. Founded 1870.

- K....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870.
M....Farbwerke, vormals Meister Lucius & Bruning, Höchst on-the-Main. Founded 1862.

2. The Smaller German Companies

- K....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig. Founded 1882.
G....Chemikaliwerk Griesheim G. m. b. H.; Griesheim-on-the-Main. Founded 1882.

	Pounds	Value
July	4,537	\$ 7,766
August	7,108	16,853
September	3,621	14,518
October	12,863	45,204
November	11,364	32,900
December	11,553	27,950

Total 73,063 \$199,658

The total imports, through two ports, of medicinals, intermediates, photographic developers, and other coal tar chemicals for the month of December were 461,049 pounds, with an invoice value of \$58,451.

	Pounds.	Value.
January	201,271	\$48,116
February	55,094	16,870
March	212,343	46,254
April	21,550	22,789
May	17,534	7,001
June	106,127	22,669
July	5,718	10,245
August	4,332	8,062
September	76,770	17,450
October	347,472	70,485
November	610,265	77,674
December	461,049	58,451

Total 2,119,525 \$406,066

The imports of color lakes in 1924 follow:

	Pounds.	Value.
January	None	None
February	4,181	\$1,848
March	11,520	3,343
April	2,956	2,143
May	3,421	1,034
June	330	463
July	390	320
August	250	
September	1,850	1,281
October	4,593	2,973
November	944	618
December	3,967	2,746

Total 34,402 \$16,769

The dyes in this report are grouped by Schultz numbers and in the case of those which could not be identified by Schultz number, the classification according to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced—in nearly every case—to a single strength basis.

The designation of "c" for competitive and "nc" for non-competitive, indicates the appraisement basis for the assessment of the ad valorem duty in Paragraph 28 of the Tariff Act of 1922. Those dyes without designation are doubtful, pending further investigation.

The ad valorem rate for competitive dyes is based on the American selling price, as defined in subdivision (f) of Section 402 of Title IV; the ad valorem rate for non-competitive dyes is based on the United States value, as defined in subdivision (d) of Section 402 of Title IV of the Tariff Act of 1922.

- CJ....Carl Jager G. m. b. H., Anilinfarben-fabrik, Duesseldorf. Founded 1823.
GrE....Chemische Fabrik Griesheim-Electron, Offenbach-on-the-Main. Founded 1842.
L....Farbwerk Mulheim, vormals A. Leonhardt & Co., Mulheim-on-the-Main. Founded 1879.
tM....Chemische Fabriken, vormals Weiler ter Meer. Uerdingen-on-the-Rhine. Founded 1877.
WD....Wulfig, Dahl & Co., A. G. Barmen. Founded 1842.

KEY TO ABBREVIATIONS—(Cont.)

3. Swiss Companies, all at Basel

DH...Fargwerke vormals L. Durand, Huguenin & Co., Founded 1871.

G...Anilinfarben- und Extract-Fabriken, vormals Joh. Rud. Geigy. Founded 1764.

L...Gesellschaft für chemische Industrie. Founded 1885.

S...Chemische Fabrik, vormals Sandoz & Co. Founded 1887.

4. Dutch and French Companies

FA...Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.

NF...Niederländische Farben- und Chemikalienfabrik Delft, Delft, Netherlands. Founded 1897.

CN...Compagnie Nationale des Matières Colorantes et Produits Chimiques Founded 1917.

P...Société Anonyme des Matières Colorantes et Produits Chimiques St. Denis. (formerly A. Poirrier). Founded 1880.

5. English Companies

Bro...Brotherton & Co. (Ltd.), City Chambers, Leeds.

BAC...British Alizarine Co. (Ltd.), Manchester.

BD...British Dyestuffs Corporation (Ltd.), London.

CI Co...The Clayton Aniline Co. (Ltd.), Clayton, Manchester.

CV...The Colne Vale Dye and Chemical Co. (Ltd.), Milnsbridge, Huddersfield.

Hol...L. B. Holliday & Co. (Ltd.), Huddersfield.

Scot...Scottish Dyes (Ltd.), Grangemouth
Etablissements Kuhlmann merged with this company in 1923.

The list of dyes follows:

Schultz No.	Dye & Maker	Quantity Pounds
10	Stilbene yellow	100
	Stilbene yellow 3GX-B	
19	Fast light yellow	1,102
	Kiton fast yellow 3G-I	
22	Xylene light yellow	17
	Supra light yellow 2GL-By	
23	Hansa yellow G	500
	Hansa yellow G pdr-M	
24	Azo acid blue	500
	Azo acid blue B conc-S	
28	Acid anthracene brown	401
	Acid anthracene brown PG-nc-By	
	Acid anthracene brown WSG-By	
118	Geranine	250
	Brilliant geranine B-c-By	
121	Eria B	330
	Cotton pink BN-B	
123	Acid ponceau	220
	Acid ponceau E-nc-G	
17	Mordant yellow	500
	Milling yellow O-C	
180	Eriochrome blue black	1,653
	Eriochrome blue black BG-C	
	Eriochrome blue black G-nc-G	
182	Brilliant sulphur red	6,221
	Brilliant sulphur red B-c-S	
223	Diaminogene blue	1,000
	Diazanil blue 2R-M	
224	Diaminogene B	300
	Diazo indigo blue 2RL-c-By	
304	Chrysophenine	1,200
	Direct yellow CH-Lev	
	Pyramine yellow GX-B	
313	Congo orange	50
	Congo orange G-A	
332	Benzo fast red	200
	Benzo fast red 8BL-c-By	
338	Brilliant orange	1,500
	Diamine orange B-C	
343	Diamine fast red	358
	Diamine fast red 8BL-c-C	
358	Diphenyl red	4,037
	Acetopurpurine 8B-A	
	Chloramine red 8BS-By	
	Tolylene red-Gr-E	
368	Brilliant purpurine 4B	200
	Brilliant purpurine 10B-A	
370	Brilliant congo	50
	Brilliant congo R-nc-S	
385	Oxamine blue 4R	100
	Minaxo blue 4RX-B	
387	Tolylene orange	661
	Direct fast orange K-I	

Schultz No.	Dye & Maker	Quantity Pounds
400	Acid anthracene red	200
	Acid anthracene red 5BL-By	
449	Trisulphon brown	936
	Trisulphon brown B-S	
456	Benzo fast blue	969
	Benzo fast blue 4GL-By	
474	Oxamine green B	100
	Minaxo green BX-B	
496	Setoglaurine	1,102
	Setoglaurine 753-nc-G	
503	Neptune green	1,502
	Brilliant acid green 6B-c-By	
	Erioviridine B supra-c-G	
	Guinea fast green B-A	
	Poseidon green 6GX-B	
505	Light green (yellowish)	300
	Acid green extra conc-C	
506	Erioglaurine	11,023
	Erioglaurine AP-G	
515	Methyl violet	201
	Methyl violet base-By	
	Methyl violet NFB-B	
516	Crystal violet	246
	Crystal violet extra pdr-B	
524	Acid magenta-C	500
543	Patent blue	1,628
	Poseidon blue BGX conc-B	
545	Patent blue A	1,200
	Brilliant acid blue A-c-By	
	Poseidon blue BR ex-nc-B	
548	Acid violet 6BN	100
	Acid violet 6BN00-B	
553	Eriochrome cyanine	551
	Eriochrome cyanine RC-nc-G	
556	Coraline red	560
	Aurine-Lo	
557	Chrome violet	110
	Chrome violet 905-nc-G	
559	Victoria blue B	894
	Victoria blue B base-I	
	Victoria pure blue BO-nc-B	
562	Fast acid blue	406
	Brilliant wool blue FFR ex-nc-By	
564	Naphthalene green	1,102
	Erie green B supra-c-G	
565	Acid blue B	300
	Wool blue 5B-A	
	Wool blue G extra-A	
571	Rhodamine 6G (single strength)	2,020
	Rhodamine 6GDN extra-B	
	Rosazine 6G extra-M	
573	Rhodamine B (single strength)	7,915
	Rhodamine B extra-c-B	
576	Rhodamine 3G	200
	Rhodamine scarlet G-By	
579	Xylene red	25
	Sulpho rosazaine B ex-M	
580	Fast acid violet B	300
	Fast acid violet B-M	
603	Acridine orange	220
	Acridine orange DHE-DH	
609	Homophosphine OO	2,235
	Coriolavine RR 0000-Gr-E	
613	Quinoline yellow N ex. conc-By	1
617	Columbia yellow	331
	Diphenyl chlorine yellow FF supra-c-G	
618	Thioflavine T	330
	Thioflavine T-C	
627	Anthracyanine	220
	Anthracyanine DS-nc-DH	
635	Modern violet-DH	220
645	Gallazine	441
	Gallazine No. 90-nc-DH	
658	Fast black	441
	Gallophenine P-nc-By	
661	Thionine blue	200
	Thionine blue CO-M	
663	New methylene blue	545
672	Azo carmine	1,060
	Azo carmine GX-nc-B	
673	Azo carmine B	600
	Rosinduline 2B bluish-K	
681	New Fast gray	661
	Malta gray J-nc-P	
05	Indamine 6R	1,500
	Acid cyanine BF-A	
	Indocyanine B-A	
748	Hydron blue G (s.s.)	18
	Hydron blue R pdr-C	
759	Anthraflavone G (s.s.)	6,270
	Anthra yellow GC paste-B	
	Anthra yellow GC pdr-nc-B	
	Helindone yellow AGC paste-M	
	Helindone yellow AGC pdr-M	
760	Indanthrene golden yellow G (s.s.)	220
	Helindone yellow IG dbl. paste-M	

No. Schultz	Dye & Maker	Pounds Quantity
761	Indanthrene golden yellow R (s.s.)	220
	Vat golden yellow RRT paste-B	
765	Indanthrene green B (s.s.)	618
	Vat black BB dbl. paste-B	
767	Indanthrene violet RR (s.s.)	3,560
	Vat brilliant violet RR Paste-c-B	
	Vat brilliant violet RR dbl. paste-B	
	Vat violet RR dbl. paste-B	
768	Indanthrene violet B	700
	Anthra violet B paste-B	
	Helindone violet IB paste-M	
778	Alizarin, synthetic paste	4,494
	Alizarin VI extra pure paste-c-B	
779	Alizarin orange	1,197
	Alizarin orange RP paste-By	
784	Alizarin SX paste-c-B	2,180
788	Alizarin cyanine	798
	Alizarin cyanine NS paste-By	
	Alizarin cyanine WRB paste-By	
790	Anthracene blue SWR pdr-B	100
794	Cibanone black	2,205
	Cibanone black 2B paste-I	
804	Alizarin blue S pdr-nc-By	400
814	Algol yellow WF (s.s.)-By	8
815	Algol red 5G (s.s.)-nc-By	16
817	Algol yellow R (s.s.)	5,266
	Helindone yellow IGK paste-M	
	Vat yellow GK paste-nc-By	
	Vat yellow GK pdr-By	
819	Algol red FF, R (s.s.)	1,207
	Algol brilliant red 2B pdr-By	
	Algol red R extra paste-nc-By	
	Algol red R extra pdr-nc	
820	Algol brilliant violet R (s.s.)	2,750
	Helindone brilliant violet IRK paste M	
	Vat brilliant violet RK paste-nc-By	
	Vat violet BR paste-Gr-E	
821	Algol brilliant violet 2B (s.s.)	1,999
	Algol blue 3R pdr-By	
	Helindone brilliant violet IBBK paste-M	
	Vat brilliant violet BBK paste-nc-By	
822	Algol brilliant orange FR (s.s.)	3,148
	Helindone orange IRRK paste-M	
	Vat brilliant orange FR pdr-B	
	Vat yellow G dbl. paste-B	
	Vat yellow G dbl. paste-By	
852	Alizarin irisol D, R	1,157
	Alizarin direct violet R-M	
	Alizarin irisol B pdr-By	
	Alizarin irisol R pdr-nc-By	
	Vat orange R paste-Gr-E	
	Vat orange RRK paste-nc-By	
	Vat orange RRK pdr-nc-By	
825	Algol red B (s.s.)-By	16
828	Indanthrene claret B	163
830	Indanthrene red R	456
	Anthra red RT paste-B	
831	Indanthrene red BN (s.s.)	7,008
	Helindone red IBN paste-M	
	Helindone red IBN ex. pdr-M	
	Vat red BN paste-B	
	Vat red BN ex. paste-nc-B	
	Vat red RK paste-B	
	Vat red RK paste fine-B	
832	Indanthrene violet BN (s.s.)	3,688
	Helindone violet IBN paste-M	
	Vat violet BN paste-B	
	Vat violet BN ex. paste-B	
	Vat violet BN pdr-B	
833	Algol olive R (s.s.)	5,990
	Vat olive R paste-B	
	Vat olive R pdr-By	
834	Algol gray	67
	Vat gray BR paste-Gr-E	
838	Indanthrene blue RS (s.s.)	900
	Vat blue RSP tr. pdr-B	
840	Indanthrene blue 3G	929
	Helindone blue I 3G paste-M	
	Vat blue 3G paste-B	
842	Indanthrene blue GCD (s.s.)	11,708
	Helindone blue IGCD dbl. paste-B	
	Indanthrene blue GCD dbl. paste-B	
	Vat blue GCD dbl. paste-B	
843	Cibanone blue G pdr-I	55
844	Algol blue 3G (s.s.)	2,011
	Algol blue 3GP paste-By	
	Vat blue 5G pdr-nc-By	
849	Indanthrene yellow (s.s.)	11,684
	Helindone yellow IG dbl. paste-M	
	Indanthrene yellow G dbl. paste-B	

(Continued on Page 99)

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 124-149

PRUSSIAE DOWN TO 10½c AFTER RISE

Soda Up to 10¾c@11c. Followed by Drop on Release of Large Holdings—Market Excited by Speculation—Potash Prussiate Back to 18c—Oxalic Higher—Bichromates Up Slightly—Copper Sulfate Easier—Makers Meeting Foreign Barium Competition

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

		Advanced		Declined		No Declines	
		Trend of the Market		Trend of the Market		Trend of the Market	
		Today	Last Week	Month	Last Year	War Peak	Pre-War
Copper Carbonate, ¾ lb.	\$1.11	\$1.11	\$1.11	\$1.11	\$1.19	\$1.19	\$1.07
Lead Pigments, ¾ lb.	14.00	14.00	14.00	14.00	15.00	15.00	20.00
Potassium Bichromate, ¼ lb.	2.75	2.75	2.75	2.75	2.90	2.90	2.65
Potassium Perchlorate, ¼ lb.	1.90	1.90	1.90	1.90	1.50	1.50	1.50
Sodium Bichromate, ¼ lb.	4.65	4.65	4.65	4.65	20.00	20.00	4.50
Ammonium Chloride, ¾ lb. to 1c lb.	.07½	.07½	.07½	.07½	.06½	.06½	.08
Sodium Fluoride, ¾ lb.	1.94	1.94	1.94	1.94	3.50	3.50	.60
Sodium Prussiate, 1c lb.	3.66	3.66	3.66	3.66	9.50	9.50	1.42
Sodium Nitrate, 2c per 100lb.	.08½	.08½	.08½	.08½	.06	.06	.06½
Zinc Chloride, ¾ lb.	.11	.10	.09	.11½	1.25	1.25	.18
Average	2.928	2.927	2.921	3.005	10.79	10.79	2.99

Active speculative buying in prussiates with consumers appearing in the market in increasing numbers to cover their needs for the moment and thereby bringing some real strength into the situation, featured the market for industrial chemicals this week. The bull movement, which started about three weeks ago when an attempt was made to buy up all spot stocks, reached a high point Monday when domestic quotations were withdrawn and dealers eagerly grabbed offerings of soda at 10½c lb., and consumers considered it a favor to be allowed to buy at 10¾c lb. Factors in the trade now predict a price of 14c lb. for soda by May. Potassium prussiate was also found to be in very strong hands and no domestic goods were offered. Imported material on spot was held at high levels. Many holders who bought soda at 12c lb. were reported to be at last unloading. Quotations from abroad were offered in only a few cases. Little interest was displayed in other products and trading continued to be done in a routine way. Barium chloride and carbonate remained fairly steady, but copper sulfate was easier. Copperas was firm and in active demand, and potash alum continued strong. Ammonium chloride was slightly lower on spot, owing to an accumulation of stocks.

Acetone—Moving in satisfactory volume at manufacturers' quotations of 12c lb. in tanks; 12½c lb. in carlots of 750 lb. drums; 13c@13½c lb. in less than carlots; and 14c lb. in 350 lb. drums

Acid Acetic—Continues strong at unchanged quotations of \$3.12@3.37 per 100 lb. for 28%; \$5.85@6.10 for 56%; and \$11.01@11.76 for glacial.

Acid Formic—Steady demand reported at recent levels of 10½c@11c lb. for the 85% material, and 11c@11½c lb. for the 90% grade.

Acid Lactic—Makers report increasing demand at unchanged quotations of 5¼c@6c lb. for dark 22%; 6¼c@

7c lb. for the light; 44%, 11½c@12c lb. for the dark, and 13½c@14c lb. for the light; for 66%, 18½c@19c lb. for dark, and 28c@30½c lb. for light.

Acid Oxalic—Market firm at slightly higher levels and factors now name 10½c@11c lb. Future is doubtful and holders are quite willing to unload at these figures, although domestic makers continue to refuse quotations.

Acid Sulfuric—Manufacturers report a greatly increased demand at unchanged quotations for the 60° material of \$9.00@9.50 per ton in tanks at works.

Alum Potash—Continues firm at \$2.75@3.00 for spot goods, and \$2.65 for shipment.

Ammonium Chloride—Imported very quiet over the week and lower figures are now named. White is available at 5¾c@6c lb.; gray at 7c@7½c lb.; and lump is holding steady at 12c@12½c lb.

Aluminum Sulfate—Continues quiet with makers quoting \$2.00 per 100 lb. for iron-free and domestic material reported changing hands from large makers at prices equal to the imported levels, which are \$1.75.

Arsenic—Situation unchanged with absolutely no interest shown anywhere. Goods continue to be offered freely on spot at 6¼c@6½c lb. with considerable shading likely on a firm offer. Supplies offered openly in certain quarters at 6c lb. did not even bring a bid.

Barium Salts—Chloride reported holding at recent rise to \$65.00@67.00 per ton spot for imported. Domestic is quoted at \$70.00@75.00 per ton, but it is definitely known that imported prices have been met in the recent market and that domestic material was sold from makers as low as \$60.75 per ton, and business is now being done at prevailing quotations for imported material. Barium carbonate continues steady at \$54.00@57.00 per ton.

Bleaching Powder—Shipments against 1925 contracts slow owing to consumers taking in large quantities in December at 1924 contract prices. Quotations on contract are \$1.90 for carlots of large drums at works; \$2.05 for l.c.l.; and 10c higher for spot material.

Butyl Alcohol—The domestic manufacturer reports a continuation of the sold-up condition at recently advanced quotations of 26½c lb. in tanks, and 28½c@30c lb. in drums.

Copperas—Active demand reported by makers at unchanged quotations of \$13.00@16.00 per ton for bulk carlots at works; \$16.00@19.00 in bags; and \$17.00@20.00 in barrels.

Copper Sulfate—Easier and material continues to change hands at \$4.50 per 100 lb. Manufacturers name \$4.65 in some quarters, and \$4.85 in others, but they are meeting competition and all are selling as low as \$4.50 in carlots.

Lead Products—All pigments were advanced ½c lb. on all packings during the week. Acetate of lead has been increased in some quarters but old prices are still quoted by some leading manufacturers.

Potash Caustic—No new developments and domestic and imported material continue to bring 7½c@7¾c lb.

Potassium Carbonate—Quotations unchanged from importers and calcined is named at 5¾c@6c lb. for 80-85%; and 6¼c@6¾c for the 96-98% material.

Potassium Perchlorate—Spot market bare and shipment for March-April quoted at 10½c lb.

Prussiates—After a rise to 10¾c@11c spot for imported soda prussiate, following withdrawal of domestic quotations, a large holder broke this price down to 10½c late Tuesday with offers of any quantity for immediate shipment. Rumors flew thick and fast and speculation excited the market. Sales were made back and forth between leading factors, and talk of 14c by May was common. Shipment cabled from England on Tuesday at 10¾c, duty paid, New York for Feb.-Mar. Along with the drop in soda, yellow potash prussiate dropped from 18½c back to 18c lb. Sales were reported Tuesday at 19c, but this was before the drop. In the case of soda prussiate, spot stocks of any quantity are reported concentrated in one or two hands in New York who are in a strong position owing to rising sterling and short interest abroad.

Soda Ash—Deliveries reported at low point on 1925 contracts at prevailing quotations of \$1.25 bulk in carlots, \$1.38 in bags, and \$1.63 in barrels for the 58% light material.

Sodium Bichromate—Firm and now quoted at 6½c @7c lb. for both imported and domestic material.

Soda Caustic—Quotations on contract are \$3.10 in carlots at works for 76% solid; l.c.l. for solid \$3.75@3.91; and for flake and ground \$4.16@4.31.

Sodium Nitrate—Advanced further owing to still higher levels for sterling, and holders now name \$2.62 for spot goods, and \$2.64@2.66 for futures.

Zinc Chloride—Imported higher and now quoted at 7c@7½c lb. owing to higher levels abroad.

OUTPUT OF WOOD CHEMICALS DOUBLED

Companies engaged in wood distillation and charcoal manufacture reported a total output valued at \$29,695,423, an increase of 206.8 per cent compared with \$9,677,552 in 1921, according to the Census Bureau. The total for 1923 was made up as follows: Crude methanol (wood alcohol), 6,988,794 gallons, valued at \$4,131,931; refined methanol (wood alcohol), 5,085,884 gallons, valued at \$4,846,276; acetate of lime, 144,588,686 pounds, valued at \$4,823,403; charcoal, 45,885,143 bushels, valued at \$8,851,229; turpentine distilled from wood (not from the gum), 2,607,364 gallons, valued at \$2,014,666; rosin distilled from wood (not from the gum), 358,532 barrels, valued at \$1,368,085; other products, methyl acetone, formaldehyde, acetic acid, acetone, ketone, tar, tar oils, wood creosote pine oil, valued at \$3,659,833.

Of the 123 establishments reporting for 1923, 77 were engaged in the distillation of hard woods, 26 in softwood distillation, and 20 produced charcoal without recovery of by-products. These establishments were distributed as follows: 34 in Pennsylvania, 18 in New York, 14 in Michigan, 7 each in Alabama and Georgia, and the remaining 43 in 18 other States.

UNION SULPHUR SELLS OLD PLANT SITE

Union Sulphur Co. has closed down its plants at Sulphur near Lake Charles, La., and the acreage has been sold to a realty company. The reason for shutting down of the plant is stated to be a realization that the properties were exhausted as far as sulfur production is concerned. The mine has been under continued operation for almost 20 years, and practically all its production came from this property.

DECEMBER DYE IMPORTS

(Continued from Page 97)

Schultz No.	Dye & Maker	Quantity Pounds	Schultz No.	Dye & Maker	Quantity Pounds	Schultz No.	Dye & Maker	Quantity Pounds	Schultz No.	Dye & Maker	Quantity Pounds
	Vat yellow G dbl. paste-B		893	Alizarin indigo G paste-M	1,198		Mars red ATX-B	100		Vat yellow G dbl. paste-By	
	Vat yellow G dbl. paste-By		894	Alizarin indigo B (s.s.)	2		Radio black SB-C	200			
832	Alizarin irisol D. R.	1,187		Alizarin indigo green B pdr.-By			Sulphon orange G-By	200			
	Alizarin direct violet R-M			Alizarin indigo violet B pdr.-By			Sulphon yellow R-C-By	441			
	Alizarin irisol B pdr.-By			Ciba pink B paste-I			Supramine red B-By	200			
	Alizarin irisol R pdr.-nc-By			901	Ciba violet B (s.s.)	16,530		Supramine red 2 G-nc-By	221		
833	Antraquinone violet pdr.-nc-B	331		904	Helindone brown (s.s.)	550		Supramine yellow R-By	441		
835	Alizarin pure blue B	4,255			Helindone brown G paste-M			Wool black BR-nc-By	1,103		
	Alizarin sky blue B-By				Helindone brown G pdr.-M			Wool fast blue BL-By	1,287		
836	Alizarin astrol	550		907	Ciba scarlet (s.s.)	1,000					
	Alizarin astrol B-nc-By				Helindone fast scarlet C paste-M	720					
838	Alizarin saphirol B	4,166			Thioindigo scarlet 2G paste-K	2,204					
	Alizarin blue SAP-B			908	Ciba red paste-I	220					
	Alizarin light blue B-C-S			910	Helindone pink	220					
	Alizarin saphire blue SE-Q				Helindone pink BN paste-M						
862	Alizarin blue black B	25,482		912	Thioindigo red B (s.s.)	995					
	Alizarin blue black B pdr.-By				Antra red B paste-B						
	Alizarin blue black B pdr.-M				Ciba pink B paste-B						
863	Antraquinone green	200			Durindone red B paste-nc						
	Antraquinone blue green BXO				Durindone red B pdr.-nc						
	B-pdr.			913	Helindone orange R	2,051					
865	Alizarin cyanine green 3G pdr.-nc-By	100			Hydron orange RF paste-C						
868	Cibonone brown (s.s.)	1,001			Vat orange RF paste-B						
	Cibonone brown B pdr.-I			915	Helindone fast scarlet R (s.s.)	2,500					
869	Algol brown B (s.s.)	8,811			Helindone fast brilliant R pdr.-nc-M						
	Helindone brown IR Pdr.-M			918	Helindone red 3B (s.s.)	1,830					
	Vat brown R paste-B				Durindone red 3B paste-nc-BD						
	Vat brown R paste-nc-By				Durindone red 3B pdr.-nc-BD						
	Vat brown R pdr.-B				Helindone red 3B paste-M						
	Vat brown R pdr.-nc-By				Vat red violet RH paste-B						
871	Indanthrene red violet RRN	368		920	Helindone violet (s.s.)	280					
	Vat red violet RRK paste-Q				Helindone violet 2B pdr.-M						
873	Helindone brown AN	200		923	Ursol	25					
	Helindone red brown IR paste-M				Fur blue black B-A						
874	Indigo, synthetic	1,076			Fur yellow brown G-C						
	Indigo-nc-Q										
876	Indigo, white	55									
	Indigosol OAB-DH										
881	Brilliant indigo 4B (s.s.)	4,042									
	Brilliant indigo 4B paste-B										
	Brilliant indigo 4B pdr.-B										
	Brown indigo FR pdr.-By										
	Indigo MLB, 4B paste-M										
892	Helindone green G (s.s.)	350									
	Helindone green G paste-M										

UNIDENTIFIED DYES

Schultz No.	Dye & Maker	Quantity Pounds
	Acid rhodamine 3 R-I	230
	Alizarin geranole B pdr.-By	882
	Alizarin rubinol 2 G pdr.-nc-By	200
	Alizarin uranol 2 B pdr.-By	1
	Alkali fast green 3 G-C-By	100
	Alkali fast green 10 G-By	100
	Azo flavine FFNX-B	100
	Brilliant milling red R-C	500
	Fast light red BL-nc-By	445
	Kiton fast red 4 BL-nc-I	1,100

(Continued on Page 101)

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, See Chemicals, pages 124-149

PYRIDINE SHARPLY HIGHER ON SPOT

Holders Now Quote \$4.10 Per Gal.—Other Crudes Unchanged—Benzene Steady—Solvent Naphtha and Toluene Scarce—Intermediates Generally Strong—Para-Nitroaniline Quoted Lower From Makers—Ortho-Toluidine Firm—Aniline Oil Unchanged—Beta-Naphthol Increase Unlikely—Dimethylaniline Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Pyridine, 30c gal.	
Declined	
Para-nitroaniline, 4c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.25	\$.25	\$.25	\$.20	\$ 1.10	\$.25
Naphthalene, flake .....lb.	.05½	.05¼	.05½	.06½	.16	.08
Phenol, Spot .....gal.	.24	.24	.25	.35	1.50	.08
Toluene .....gal.	.26	.26	.26	.22	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine .....lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.70	.75	..	..
Betanaphthol .....lb.	.24	.24	.24	.26	1.50	.08
Dimethylaniline .....lb.	.33	.33	.35	.39	1.30	..
Paranitroaniline .....lb.	.62	.66	.66	.70	1.58	.18
Average	0.324	0.324	0.327	0.344	..	..

Pyridine featured the market for crudes during the week when holders in all quarters advanced their quotations owing to a slight spot demand and reports of buying in Europe. Other products remained at a standstill while factors who were naming prevailing quotations on phenol reported absolutely no orders at those levels. Benzene and other coke oven crudes registered but little change. Benzene is reported in increased supply; toluene continues to move in greater volume; and solvent naphtha remains in steady demand. The entire list of intermediates, was reported strong with the exception of para-nitroaniline. Lower levels are now named openly for this product and as yet it is rather unsettled. Makers report only a slight improvement in the volume of trading, but hope for a material increase about the middle of the present month. Dyestuff demand is described as spotty, and competition continues to prevent prices from showing any improvement.

Crudes

Benzene—Production showed considerable improvement during the week, and all indications of shortages have entirely disappeared, with large spot supplies now available. The demand for pure and 90° benzene is said to have lessened materially during the past two or three weeks, but this is believed to be due to inventory period. Contracts are reported closed both at firm prices shaded from present levels, and also at the market quotations at time of shipment within a specified range. One of the largest buyers is reported to have covered requirements for 1925, and other large buyers are also said to have closed contracts. Quotations unchanged at 25c@30c gal. for pure at mills, and 23c@28c gal. for the 90° material.

INDUSTRIAL CHEMICAL SECTION

Cresylic Acid—Demand reported at standstill with holders of both imported naming recent levels of 55c@60c gal. for 95% dark; and 60c@65c gal. for 97-99% pale.

Naphthalene—Contract closing reported quiet and spot business dull. Manufacturers continue to hold supplies firm, however, and still name 5½c@6c lb. for flake, and 6½c@7c lb. for balls.

Phenol—Market continues rather unsettled with open quotations unchanged and lower prices still reported done in some quarters. Manufacturers generally continue to name 23c@26c lb. as to packing, and sales are reported as low as 21c lb.

Pyridine—Much stronger and higher owing to slight increase in spot demand and reports of buying in Europe. Factors recently naming lower figures have advanced to \$4.10@\$4.25 per gal. spot, and it is doubtful if lower quotations can be obtained.

Solvent Naphtha—Supplies continue scarce and orders at present are said to be equal to the output for the next sixty days. Fairly heavy booking of orders indicates that no further supplies will be available for the next sixty to ninety days. Quotations unchanged and factors name 24c@25c gal. in tanks, and 29c@30c gal. in drums.

Toluene—Although output is reported increased, spot supplies are reported scarce, and buyers in the market are said to be unable to receive immediate shipment. Factors report no difficulty in obtaining full current quotations of 26c gal. in tanks at mills, and 31c gal in drums.

Xylene—Considerable increase in buying has been noted over the week, especially on the commercial grade. Inquiries for the 5 and 10 degree grades have been plentiful since the first of the year and that has tended to make supplies rather scarce just now, although the business is reported as having been done at prices several cents below prevailing quotations. Factors quote 25c@26c gal. for 10°, in tanks; and 30c@35c in drums; for 5°, 30c@31c in tanks, and 35c@40c gal. in drums.

Intermediates

Acid Cleve's—Makers report a steady demand at recently lowered quotations of 95c@97c lb. as to quantity.

Acid Gamma—Slight routine demand reported by manufacturers who continue to name \$1.40@\$1.50 lb.

Acid H—Quiet at recently lowered prices of 70c@76c lb.

Acid Monosulfonic F Delta—Holding at unchanged levels of \$2.10 lb. in 50 lb. tins.

Acid N & W—Reported steady at unchanged manufacturers' prices of \$1.00@\$1.05 lb.

Acid Naphthionic—Continues quiet with makers holding prices at recent levels of 62c@65c lb. as to quality in bbls. at works.

Aniline Oil—Maintaining a steady position with prices firm but an increase in price is now quite remote. Makers are reporting a steady increase in shipments on contracts at quotations of 16c@17c lb.

Beta-Naphthol—Holding at recent levels and, while rather strong, no advance is considered likely for the coming quarter at least. Makers quote 22c lb. in carlots, and 24c in smaller shipments on contract and spot.

Dimethylaniline—While unchanged quotations are named by some makers, the lower levels are said to have been quite generally met. Prices are named at 33c@35c lb., and 32c is said to be possible in carlots.

Nitrobenzene—Steady request reported at unchanged levels of 9c@9½c lb. for crude, and 9½c@10c lb. for the redistilled material.

Ortho-toluidine—Active demand continues at recently increased quotations from makers of 18c@19c lb.

Para-nitroaniline—Lower from makers and quotations are now given at 62c@65c lb. in most quarters. Market rather unsettled as yet.

Para-toluidine—Quiet with spot demand small but prices firm at recent reduction to 70c@75c lb. in barrels.

Hearings on a motion for the discharge from bankruptcy of Atlantic Dyestuff Co. in the United States District Court, Concord, N. H., have been set for Jan. 26 at 3:00 P.M.

The gas utilities of the United States sold 405 billion cubic feet of manufactured gas in 1924, according to figures made public by the American Gas Association. This is an increase of 20 billion cubic feet over 1923, and a six-year increase of 100 billion cubic feet. Unprecedented use of gas in industrial heating processes is chiefly responsible for the large increase in sales in recent years. During the last ten years the industrial use of gas jumped 1,000 per cent and indications are that 1925 will establish a new high record in consumption.

American Aniline Products, Inc., New York, has added a line of four browns similar to diphenyl catechines and diamine catechines. The colors, which are level dyeing and evenly exhausting, are aminal chrome brown GT, chrome brown RT, chrome brown 2RT, and chrome dark brown T. These colors are also claimed to be very fast to light, acids and calendering, being suitable for dyeing cotton yarns, artificial silks, hosiery and cotton piece goods.

Coke production in the Connellsville region in 1924 was 6,668,590 tons, valued at \$25,673,956 based on an estimated average price of \$3.85 ton, compared with 13,114,340 tons, valued at 77,374,606 in 1923, based on average price of \$5.90.

DECEMBER DYE IMPORTS

(Continued from Page 99)

Dye & Maker	Quantity Pounds
Indanthrene brown (s.s.)	10,787
Helindone brown IG paste-M	
Helindone brown IG pdr-M	
Helindone brown IGG paste-M	
Vat brown G paste-By	
Vat brown G pdr-By	
Vat brown GG paste-By	
Vat brown RT paste-By	
Indanthrene brown 3 R	600
Helindone brown 13R paste-M	
Vat brown 3 R paste-B	
Indanthrene golden orange 3 G (s.s.)	55
Vat golden orange 3G paste-nu-By	
Vat golden orange 3G pdr-nu-By	
Indanthrene green G (s.s.)	200
Vat green G dbl. paste-nu-B	
Indanthrene pink B (s.s.)	11,724
Antra pink B ex. paste-B	
Vat pink B dbl. paste-B	
Indanthrene pink R	
Antra pink R ex. paste-B	2,010
Antra pink R ex. pdr-B	100
Indanthrene red GG (s.s.)	1,971
Helindone red IGG paste-nu-M	
Helindone red IGG pdr-nu-M	
Vat red GG paste-B	
Vat red GG paste-By	
Vat red GG pdr-By	
Thionidgo rose RN ex. paste-K	220
Vat blue GCN pdr-By	1
Vat printing black BR-By	
Vat yellow GP pdr-B	50

Mordant and Chrome Dyes

Acid alizarin gray G-M	1,276
Acid chrome blue 3 G-By	220
Alizarin bordeaux GP paste-nu-By	441
Alizarin cyclamine R paste-nu-By	308
Alizarin fast blue BHG-nu-By	100
Alizarin fast gray 2 BL pdr-By	882
Alizarin light green GS conc-S	1,500
Alizarin supra blue A-By	6
Alizarin fast brown GL pdr-By	6
Alizarin red WR paste-Q	838
Brilliant chrome violet RG-DH	110
Chromazurine E-DH	110
Chrome fast blue BX-B	50
Chrome fast blue FB-A	200
Chrome fast phosphine R-DH	110
Chrome garnet B-nu-DH	88
Chrome sky blue B pdr-By	105
Chromocitrone 3 R-DH	220
Chromorhodine BN-DH	440
Chromoxane azuril BD-By	6
Eriochrome green L-nu-G	220
Fast chrome green B-DH	55

Direct Dyes

Azonine direct red G paste-C	100
Benzo fast bordeaux 6 BL-nu-By	200
Benzo light brown 3 GL-By	1,021

Dye & Maker	Quantity Pounds
Benzo red 12 B-By	440
Benzo rubine SC-nu-By	50
Brilliant benzo violet 2 R-By	200
Brilliant fast blue 3 BX-By	200
Brilliant sky blue 2 RM-nu-By	1,001
Celatine red-nu-BD	100
Chlorantine fast blue 2 GL-I	3,417
Chlorantine fast green B-I	661
Chlorazol fast brown RK-nu-BD	486
Developed brilliant green 3 G-By	441
Developed fast yellow 2 G-By	441
Developed indigo blue 4 GL-By	1,371
Developed light violet BL-By	220
Diamine azo bordeaux BL-C	220
Diamine azo green G-C	100
Diamine azo fast violet R-C	100
Diamine brilliant violet B-C	1,200
Diamine catechine B-C	300
Diamine fast brown G-nu-C	400
Diamine fast rubine FB-C	100
Diamine fast scarlet GG-C	100
Diazamine b'ue 4 R conc-nu-S	100
Diazanil pink B-M	100
Diazo brilliant green 3 G-By	379
Diazo brilliant orange 3 G extra-By	466
Diazo brilliant scarlet G extra-By	441
Diazo brilliant scarlet 2 BL extra-nu-Q	441
Diazo brown 3 G, 6 G-By	441
Diazo fast black SD-By	441
Diazo fast blue 6 GW-I	441
Diazo geranine B extra-By	200
Diazo light green BL pdr-By	55
Diazo rubine B-nu-By	100
Diazo sky blue 3 G, 3 GL-nu-By	253
Direct safranin RW-I	531
Naphthamine light brown 2 G-K	200
Oxamine claret BXX-B	300
Oxamine light blue G-B	200

Sulfur Dyes

Katigene indigo CLGG extra-nu-By	798
Katigene indigo FR ex. conc-A	6
Sulphur black brown GL extra-A	10
Sulphur catechu G-A	200
Trionol brown O-C-BD	2,200
Brilliant acridine orange 3 R-nu-DH	110
Brilliant rhodamine blue R-By	298
Rhoduline sky blue 3 G-nu-By	100

Spirit-Soluble and Color Lake Dyes

Brilliant helio blue FFR extra-By	122
Ceres black II lumps-By	1
Ceres blue I pdr-By	1
Ceres brown I pdr-By	1
Hansa yellow 5 G pdr-M	100
Helio fast red RL pdr-By	1
Helio fast rubine LBK pdr-By	6
Helio fast violet AL-nu-By	220
Helio fast yellow H 5 G paste-By	11
Helio fast yellow H 5 G pdr-By	6
Helio fast yellow H 10 G pdr-By	7
Helio fast yellow RL lumps-By	1
Helio marine RL pdr-nu-By	110
Helio red RMT extra pdr-nu-By	100

Dye & Maker	Quantity Pounds
Stone fast yellow 10 G lumps-B	100
Tero black FB-B	200

Unclassified Dyes

Trident red RXX-B	100
Uranole R base-By	1
Viridine base-By	1

Color Lakes of Coal-Tar Origin

Alizarin lake RLS-c	197
Anthosine lake B pdr.	551
Chambertine lake	2,000
Madder lake	406
Madder red pdr.	110
Permanent yellow H pdr.	100
Viridine lake 1026 H pdr.	603

Synthetic Aromatic Chemicals of Coal-Tar Origin

Name of Chemical	Quantity Pounds
Acetophenone-c-Germany, England	101
Amyl phenylacetate-c-England	1
Anisic aldehyde extra-France	11
Benzaldehyde-Holland	100
Benzophenone-c-England	1
Benzyl acetate-c-Germany, France, Switzerland, Holland	1,906
Benzyl benzoate-c-Switzerland	400
Benzyl butyrate-c-England	1
Benzyl cinnamate-c-England	1
Benzyl formate-c-England	1
Benzylphenyl acetate-c-England	1
Benzyl propionate-c-Switzerland, England	11
Benzyl valerianate-c-England	1
Butyl phenyl acetate-c-England	1
Butyl salicylate-c-England	1
Diethyl phthalate-c-Switzerland	1,100
Dimethyl acetophenone-c-Switzerland	10
Dimethyl hydroquinone-Switzerland	25
Ethyl anthranilate-England	1
Ethylphenyl acetate-c-England	1
Gardalen-c-Holland	78
Heliotropine-c-Germany, Holland	1,481
Hyacinth compound-Holland	53
Indol-c-France, Switzerland	8
Isobutylphenylacetate-c-England	1
Isobutyl salicylate-c-England	1
Jacinthe absolute-c-Switzerland	110
Methyl acetophenone-c-England	1
Methyl anthranilate-c-Germany, Holland, England	285
Methyl cinnamate-c-England	1
Methylnonyl acetaldehyde-c-France	4 oz.
Methylphenyl acetate-Switzerland	20
Musk ambrette-nu-Switzerland, Holland	1,445
Musk ambrette residue-nu-Switzerland, Germany	1,460
Musk artificial-nu-Germany	210
Musk ketone-nu-Switzerland, Holland, France	357

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, pages 149-150

GREASES, TALLOW AND LARD OIL LOWER

Lack of Sufficient Demand in Some Quarters Brings Reduction—Other Animal Oils Unchanged—China-wood Oil Easier—Cottonseed Oil Lower—Olive Oil Firm—Coconut Oil Shaded—Linseed Oil Quiet—Palm Kernel Oil Higher—Soya Bean Oil Scarce But Easier for Shipment—Vegetable Oils Generally Easier—Fish Oils Very Firm—Menhaden Oils Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Menhaden Oils, 5c gal.	Cottonseed Oil, ¼c to ¾c lb.
Palm Kernel Oil, ¼c lb.	Greases, ¼c to 1c lb.
Rapeseed Oil, Blown, 2c gal.	Lard Oil, ½c to 1c lb.
Chinawood Oil, Shipt., ¾c lb.	Rapeseed Oil, Refined, 3c gal.
Coconut, Ceylon, ¾c lb.	Tallow, ¼c to ¾c lb.
Corn Oil, Crude, ¾c lb.	
Declined	
Cod, Newfoundland, 2c gal.	Grease, White, ¼c lb.
Corn Oil, refined, ¼c lb.	Neatsfoot Oil, 20° c.t., ¼c lb.
Cottonseed Oil, crude and P.S.Y., ¾c lb.	Oleo Oil, ¼c to ½c lb.
	Stearine Oleo, ¾c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$.58	\$.60	\$.62	\$.68	\$1.26	\$.26½
Degras, American, bbl.lb.	.04½	.04½	.04½	.04½	.23	.08½
Lard No. 1.....gal.	1.02	1.02	.98	.88	2.90	.92
Menhaden, crd. tks.....gal.	.60	.60	.58	.50	1.20	.33
Neatsfoot, 20 deg. c.t.....lb.	1.29	1.29	1.39	1.35	3.45	.95
Red Oil, distilled.....lb.	.11¾	.11¾	.10¾	.09½	.17	.07
Stearic Acid, T. P.....lb.	.16	.16	.14½	.13¾	.33	.12
Coconut, Ceylon, bbls.....lb.	.11½	.11½	.11¾	.10	.90	.14
Cottonseed, crude, tks.....gal.	.09¾	.09¾	.09¾	.09¾	.25	.08
Linseed, crude.....gal.	1.15	1.15	1.15	.91	1.88	.57
Olive, denatured.....gal.	1.30	1.30	1.30	1.12	4.50	1.05
Peanut, refined.....lb.	.16	.16	.17	.16	.30	.98
Soya Bean, bbls.....lb.	.13¾	.13¾	.14	.11¾	.19½	.07
Average.....	.529	.529	.524	.473	1.20	.362

A general easing off on practically all vegetable and animal oils was noticed over the week due to a continued lack of demand from consumers and a cessation of speculative buying among dealers. Not many prices were lowered openly, but transactions were reported in several cases on odd lots at lower levels, due in some instances to weak holders, and in others to a desire to move stocks. Trading was reported to be quieter than in several weeks past and most dealers were content to mark time feeling confident that consumers would come into the market in great numbers within two weeks at the most. Linseed oil remained quiet as is usually the condition at this time of the year, and the seed markets were slightly easier. Chinawood oil was reported sold at lower than prevailing quotations, but the market generally remained at recent levels. In the face of the general quietness and easier conditions fish oils remained exceedingly firm and higher quotations are forecast for the very near future owing to the smallness of the Menhaden crop which for 1924 was only 40% of that of 1923.

Vegetable Oils

Castor Oil—Usual routine demand reported at unchanged quotations of 17½c lb. for No. 1, and 17c lb. for No. 2.

Chinawood Oil—Slightly easier during the week and a lot of 99 barrels changed hands at 15c lb. However, quotations are generally given at 15½c@15¾c lb. for spot goods. Practically no goods are moving. January arrivals are named at 15¼c@15½c lb. in barrels at New York, and tanks at the Coast are quoted at 13¼c@13½c lb. Last week 1,134 barrels were received at New York.

Coconut Oil—In poor demand and spot goods have eased slightly for Ceylon. Holders now name 11c@11½c lb. in barrels and 10½c@10¾c lb. in tanks for Ceylon, and 12c@12½c lb. in barrels and 11¼c lb. in tanks for Cochin. Manila remains at 10c lb. in tanks at New York.

Corn Oil—Refined steady at 14c@14¼c lb. Crude shaded to 10¼c@10¾c lb. in tanks at New York, and for barrels 12c lb. is named.

Cottonseed Oil—Lower quotations named on all grades, and Winter yellow is placed at 13¾c@14c lb.; P.S.Y. at 11½c@11¾c lb. as to position; and crude 9¾c@9¾c lb.

Linseed Oil—Very quiet as is usual at this time of the year. Prices holding at recent levels with seed markets showing little variation. Consumers are not expected to come into the market in any great numbers for the next two weeks. Crushers are naming \$1.15 gal. for Jan.-Feb.; \$1.16 for March-April; and \$1.17 for May-June in carlots at works. Lots of five barrels are quoted at \$1.19 per gal. Flaxseed markets were at close to recent levels with Winnipeg easier at \$2.71½ for May, and \$2.74 for July; Duluth firmer at \$3.05 for January, and \$3.06 for May; Minneapolis slightly higher with January and February \$3.08½; and May \$3.07½; Buenos Aires easier at \$2.40½. Linseed oil was quoted lower at London at 48/6; and higher at Antwerp at 437f.

Olive Oil—Steady demand reported for denatured at \$1.30@1.35 per gal. spot with stocks increased during the week due to the arrival of 3,524 barrels at New York. Edible remains at \$2.15@2.25 per gal.

Olive Oil Foots—Quiet but firm at unchanged quotations from holders of 10c lb. for spot goods and nearby positions. Shipments from new crops continue at 9¾c@10c lb. Imports at New York last week were 500 barrels.

Palm Oil—Lagos steady at recent advance to 10c@10¼c lb., and Niger firm at 9c@9¼c lb. in barrels.

Palm Kernel Oil—Slightly higher owing to increased demand from consumers and factors now name 10¾c lb. for spot material.

Peanut Oil—Refined holding at 16c lb.; and crude steady at 11¼c lb.

Rapeseed Oil—Refined lower on spot at 97c@99c gal.; Blown higher owing to increased demand and small supplies. Prices are quoted at \$1.14@1.16 per gal.

Sesame Oil—Spot market remains bare but shipments for late January are quoted at 15½c lb.

Soya Bean Oil—Crude not available on spot and January arrivals are named at 13¾c@14¼c lb. in barrels, and 12¼c lb. in tanks. Material is to be had at the Coast at 11¼c lb. Refined is unchanged at 14c lb.

Animal Oils

Greases—Lower on all grades from manufacturers who now quote 12¾c@14c lb. for choice white; 9½c lb. for yellow; 9c@9¾c lb. for brown; and 9½c lb. for house.

Lard Oil—Edible prime reduced by makers and now quoted at 18¾c lb. Off prime also cut and named at 18¼c lb. Other grades holding at recent levels.

Neatsfoot Oil—Demand continues sufficient to absorb

all available supplies and prices remain at 18½c lb. for 20° c.t.; 15¾c lb. for pure; 14¾c lb. for extra; and 14¼c lb. for No. 1.

Oleo Oil—Continues in poor demand and makers continue to quote recent low levels of 15¾c lb. for No. 1; 14½c@15c lb. for No. 2; and 13¾c lb. for No. 3.

Red Oil—Manufacturers report increasing demand at recently higher quotations of 11¾c lb. in barrels, and 11c lb. in tanks.

Stearic Acid—Reported in steady demand from makers who quote 14c lb. for double pressed, and 16c lb. for triple pressed, both distilled and saponified.

Tallow—Edible lower owing to some makers being unable to report a sold-up condition as in other quarters, and now named at 11¾c lb. City extra loose also reduced and named at 10¾c lb.

Fish Oils

Cod Oil—Very firm at recent levels of 58c@60c per gal. of 7¾ lb. Higher quotations are named in some quarters, and this product is considered a very good buy at present quotations owing to the shortness of the Menhaden crop and the active consuming demand foreseen.

Menhaden Oil—Crude not available and refined grades higher with light strained quoted at 75c@77c gal.; yellow bleached 78c@80c gal.; extra bleached 80c@82c gal.; and blown 11c lb. Crop for 1924 was 60,000 barrels against 124,000 for 1923, and 122,000 for 1922.

Naval Stores

(See Miscellaneous Raw Materials page 104)

The first official estimate of the 1925 linseed area in India is approximately 2,845,000 acres, according to a cable received by the United States Department of Agriculture from the International Institute of Agriculture. This is an increase of 10 per cent over the first estimate of 1924, which was 2,575,000 acres. The first estimate during the past ten years has averaged 80 per cent of the final area estimate. The final estimate last year was 3,730,000 acres. Argentina showed an acreage increase of 14 per cent in 1924 over 1923; United States, 63 per cent; Canada, 102 per cent; and India, 10 per cent.

Pratt & Lambert held a four day sales convention in Buffalo ending with a banquet at the Hotel Statler in that city.

ROSINS AND TURPENTINE UP AGAIN

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Jan. 10.—Rosins closed firm at prices from 20c to 45c above last week's closing on the various grades. Levels as high as the closing ones were reached on Jan. 7 but the market fell off the following day but recovered quickly, and consequently values are now on a much firmer basis at prevailing quotations. Indications are that prices will be maintained and that further advances will be recorded since the actual demand is considered sufficient to put prices higher owing to the fact that the next several months business will probably be for much more than the balance of the crop yet to be marketed. The higher levels in sight are looked upon as an incentive for an increased production this Summer. Receipts for the week were 3,740 bbls.; stock today, 92,753 bbls.

Turpentine closed firm at an advance of 2¼c from levels for last week. Quotations were 85c@85¼c. Sales at the close included 264 bbls. at 85c, and 144 bbls. at 85¼c, although there were two other bidders in the market at 84¾c@85c. New business is increasing from day to day and present or higher levels are forecast. There is no scarcity just now but stocks are firmly held and thought to be worth more than prevailing levels. Receipts for the week were 466 bbls.; stock today, 12,258 bbls.

Jacksonville, Fla., Jan. 10.—Turpentine closed firm at 84¾c@85¼c. Sales amounted to 174 bbls., which included 65 bbls. sold previous to the close at 84¾c, and 109 bbls. sold in the closing hour at 85¼c. There were lower bids at 84¾c@85c, but holders are not inclined to sell at these figures. Rosins closed firm at higher levels and a further rise is anticipated. Quotations were: X, \$9.30; WW, \$9.00@9.20; WG, \$8.10; N, \$7.30@7.50; M, \$7.20@7.25; K, \$7.10; I, \$7.00@7.05; H, G. and F, \$7.00; E, D. and B, \$6.90@6.70. Stocks on hand 124,880 bbls. Turpentine stocks were 32,096 bbls.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until Jan. 20, for soap for eastern and western yards, totaling about 14,000 lbs., as per Schedule 3157.

Richard P. Perrier, salesmanager of Harshaw Fuller Goodwin Co., died at his home in Cleveland Heights, O., on Jan. 3, at the age of 57 years.

DECEMBER DYE IMPORTS

(Continued from Page 101)

Name of Chemical	Quality Pounds
Musk PC—nc—Switzerland	500
Musk xylene—nc—Switzerland, Holland ..	250
Musk xylene residue—nc—Switzerland ..	112
Musk residue—nc—France, Holland ..	241
Phenylacetic acid—c—England	1
Phenylacetaldehyde—c—Germany	100
Phenylethyl acetate—c—Switzerland ..	50
Phenylethyl alcohol—c—France, Holland, Switzerland, England	929
Phenylpropionic aldehyde—Switzerland ..	52
Phenylpropyl alcohol—c—Switzerland ..	10
Vanillin—c—France	10
Yara yara (b-naphthol methyl ether)—c—Switzerland, Germany, France ..	165
Medicinals, Photographic Developers, Intermediates and Other Coal-Tar Chemicals	
Accelerator—Germany	220
Adulor—Germany	25
o-Azidine—Switzerland	110
Antipyrine—nc—Belgium, Switzerland ..	786
Antipyrine tablets—nc—England	
Benzidine—Germany	
Benzoic acid tablets—c—England	

Name of Chemical	Quality Pounds	Name of Chemical	Quality Pounds
Benzoic acid—Germany	33	Monomethyl-p-amidophenol sulphate—Germany	450
Benzonaphthol—c—Germany	440	Monosulfonic acid F—Germany	500
Benzel chloride—c—Germany	22	Naphthalene—Germany	22
Beta naphthol compound—England ..		Naphthol AS—c—Germany	5,025
Bromelia—Germany	56	Nitrobenzene—c—Germany	22
Cerebrine—nc—France		Oil of wintergreen—Germany	8
Cresidine—nc—Germany	306	Ortho chlorophenol—England	100
Cresol—c—Germany	7	Ortol—Germany	100
Cresylic acid—England	389,567	Paratol—Germany	2,000
Developer Z—c—Germany	495	Phenol—c—England	24,821
Diamidophenol chlorohydrate—France ..	111	Phenol and menthol compound—c—England	
Diphenylamine—Germany	23,576	Phenyl-I-acid—nc—Germany	241
"Disinfecting blockettes"—nc—England ..	495	Phenylhydrazine hydrochloride—Germany ..	6
Epinine—c—England	(140 CC)	Phystogimmine salicylate—c—England ..	
Eserine salicylate—nc—Switzerland ..	6	Potassium sulphoguaiaacolate—nc—Switzerland	3,236
Eucalyptol guaiacol iodoform—nc—France ..		Preventol—Germany	11
Guaiacol carbonate—nc—Switzerland, Germany	1,644	Quinazoline—c—Germany	165
Gaiarsol—nc—France		Rapid fast pink LB, LG pastes—Germany ..	2,262
Hexalin—c—Germany	51	Resorcin, tech.—c—France, Germany ..	2,262
Homatropine hydrochloride—c—England ..	244	Salicylic acid—England	
Imitation amber No. 1—Germany		Solium iodide & guaiacol—nc—Italy ..	53
Katanol O—Germany	11	Sodium p-oxypheylarsenate—nc—France ..	1,137
Leonil S—nc—Germany	50	Sodium salicylate—c—Germany, England ..	182
Mercurial salicylate—Italy	25	o-sulphanilic acid—nc—Germany	725
Methylhexalin—c—Germany	51	Sugarin—Germany	1,000
Methyl-p-amidophenol—Germany	100	Xylidine—nc—Germany	421
Methyl salicylate—Germany			

Miscellaneous Raw Materials

Heavy Chemicals, pages 124-149; Tan and Dyestuff, pages 122-147; Fatty Oils, pages 149-150

PRICES SHOW UPWARD TENDENCY

Starches and Dextrines Higher—Myrobalans Scarce at Advanced Price—Tankage and Nitrate Show Strength in Fertilizer Group—Demand Gradually Expanding—Contract Shipments Heavy

An upward tendency in prices for miscellaneous raw materials of the fertilizer, tanstuff, starch and dextrin groups has been apparent this week. The effect of gradually expanding demand from consumers is to tighten the market considerably. Although spot demand is larger, it is still held to limited proportions, and the great bulk of material moving into consumption is being shipped on contract. Contract deliveries this month have been reported heavy. The high prices of grains have brought further advances in starches and dextrines. Myrobalans are scarce in some grades and prices are higher on spot. In the fertilizer group, action is promised in the display of strength by tankage, nitrate of soda, and fish scrap. Development of weak spots has been confined to one or two scattered products.

ACCELERATORS

Aniline Oil—See Intermediate and Dye Market.

Diphenylguanidine—Demand has been more active than last week. Prices are unchanged, however, at \$1.10 @ \$1.15 lb. spot, and contracts at \$1.08 lb.

Hexamethylene—More interest has been shown by rubber manufacturers. Export demand also on increase. Quoted at 82½¢@85¢ lb. spot. Reports are heard that some of the cheaper imported medicinal material is being turned into rubber makers' goods.

Thiocarbanilide—Quiet with holders inside at 27¢@29¢ lb. spot.

Quinoidine—In small demand at the moment at 40¢ lb. spot in drums.

ALBUMENS

Egg Albumen—Market tight with prices continuing around their old value of \$1.35 for technical on spot.

Blood Albumen—No change reported in this market; moving at 50¢@55¢ lb.

CLAYS AND FILLERS

Blanc Fixe—Moving in fair volume at steady price of \$75@\$80 ton for dry, domestic material.

Clays—Fair activity reported at unchanged prices. Bulk filler clay quoted at \$12.50@\$17.00 ton, containers extra; bulk coating clay, \$18@\$22 ton and ground clay \$20@\$25 ton for imported. Domestic \$6@\$9 for crude and \$11@\$15 for washed and ground.

Talc—Moving in better volume with domestic named at \$13@\$15 ton for crude and \$16@\$18 refined. French, refined quoted \$35@\$45 and Italian white refined \$60@\$80.

Whiting—Steady volume of business being done. Domestic being quoted \$13@\$18 ton as to seller and amount. Imported \$18@\$21 ton.

DRY COLORS, COMPOUNDING MATERIALS

Antimony Sulfurette—Makers report an active demand at 19¢@24¢ lb. spot for golden as to quality, and 39¢@50¢ lb. for crimson material. The first few days of the new year has seen a pick-up in volume.

INDUSTRIAL CHEMICAL SECTION

Carbon Black—Makers report an increase in sales, and prices remain firm at 6¢ lb. works in c/l; 9½¢@10¢ lb. spot in lc/l in cases for ordinary; 10½¢@11¢ lb. for air floated; and 9½¢@10¢ lb. for compressed material. Selling competition somewhat less.

Chrome Colors—Chrome yellows show a marked upward tendency due to recent advances in lead products, and 20c is now an inside price on C.P. chrome yellows. Green has been advanced in some quarters but is still obtainable at old prices of 29¢@35¢ lb. as to shade for C.P., and 6¢@11¢ for the commercial. Advances may be looked for in these colors also.

Lithopone—Moving in increased volume at steady prices. Manufacturers continue to name 6½¢@6¾¢ lb. for domestic material as to quantity and packing; imported remains at 5¾¢@6¢ lb.

Iron Oxide—This material continues firm at 3½¢@7½¢ lb. for Spanish and 10¢@12¢ lb. for English.

Sulfur—Prices remain firm at \$3.00@\$3.30 cwt. for rubber compounding material; and \$2.00@\$2.50 cwt. for refined material. Higher prices are talked of, but nothing definite has as yet been announced.

Vermilion—This material has recorded a further advance and now quotes at \$1.50 lb. in kegs. Advance due to increase in mercury market.

Zinc Oxide—Increase in metal market has strengthened this material. Prices are still unchanged, however, and makers are quoting 8¼¢@8¾¢ lb. for American; French 9¼¢@12½¢ lb.; green seal, 10¢ lb.; imported white seal, 12¢ lb.

DYE AND TAN WOODS

Divi-Divi—Very little of this material to be had but business could be done in it at \$43@\$44 ton in bags for shipments.

Mangrove—Demand has been so slight in this that supplies have not been replenished. Prices nominal at \$40 ton.

Myrobalans—Not obtainable on spot. Material for shipment is quoted higher due mostly to the exchange market condition. Sellers are quoting J1, \$60@\$65 a ton in bags, a big advance over last week's quotation; J2, \$42@\$45 ton and R2, \$41@\$42. 1,000 bags were imported last week.

Sumac—A small amount of this floating on the market. Still hard to obtain with prices for Sicilian \$172@\$180 ton, domestic continues to be named at \$50@\$53 ton.

Valonia—Cups continue nominal at \$34@\$35 ton. Beard fairly active at a slight advance now quoting \$53 ton in bags. Mixtures somewhat freer at the higher price of \$41@\$42.

Wattle Bark—Spot market is clean. February and March delivery up to \$42.25 due to exchange market.

EXTRACTS

Archil—Sellers still holding to \$13¢@14¢ lb. for double, 16¢@17¢ for triple and 18¢@20¢ lb. concentrated.

Chestnut—Moving at 1¾¢@2¢ lb. for clarified in tanks, and 2½¢@2¾¢ lb. in barrels. No change reported in this situation.

Cutch—Rangoon continues to be quoted at 14¢@16¢

DRUG & CHEMICAL MARKETS

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lb., Borneo at 4¼c@5½c lb. and liquid at 9c@11c lb. Little change in the market.

Gambier—Little variation in the market with common up to 20c lb., 25% liquid steady at 14c@15c lb., and Singapore cubes at 22c lb.

Hematin—Crystals continue to move in a normal manner at 14c@20c lb. Paste steady at 9½c@13c.

Logwood—Demand continues steady with unchanged price of 8½c@9c lb. for 51°, and 7c@8c for the lower grades. Solid steady at 12¾c@16c lb.

Myrobalans—Recent increase in price of nuts has caused a rise in the extract. The 25% liquid now quoted at 4¼c@5¼c lb. in bbls., 50% solid up to 8¼c lb. in 50 boxes.

Osage Orange—Increased demand reported with a probable future rise. Sellers still naming 7c@8c lb. for liquid and 14c@15c lb. for powdered.

Quebracho—Small increase for the solid. Now up to 4¾c lb. for 65% in bales. 35% liquid steady at 3¼c@4c lb. in tanks. No imports reported for last week.

FERTILIZERS

Ammoniates—Increased activity reported with demand for tankage prominent at close of week. Dried blood continues to be quoted \$3.50@\$3.60 unit, f.o.b., N. Y., and \$3.60@\$3.75 Chicago. Bone steady at \$22@\$23 steamed, Chicago, and \$34, raw, New York. Fish scrap shows no change and little activity at \$4.50 and 10c unit dried and nominal at \$4.50 and 50c for acid. Tankage raised by increased demand to \$3.60 and 10c@\$3.75 and 10c, ground, New York, with market pretty well cleaned. High grade, Chicago, steady, at \$3.00 and 10c.

Ammonium Sulfate—Little activity reported pending opening of season. Prices hold at \$2.75@\$2.80 100 lb., bulk, works. Export demand nominal at \$3.00 f.a.s.

Acid Phosphate—Prices remain firm for the 16% guaranteed material at \$9.50 ton.

Cyanamide—Makers sold out to March and April. Spot \$1.95@\$2.00 per unit. March and April delivery \$1.85.

Nitrogenous Material—Active as any in fertilizer market. Quoted at \$3.10@\$3.25 c.i.f. Atlantic ports.

Potash Salts—No new developments. A few contracts being closed but dealers for the most part are marking time. Muriate, 80% basis \$34.55 ton; sulfate 90% basis \$45.85 ton; manure salts, 30% basis \$26@\$35 ton.

Sodium Nitrate—See Heavy Chemical Market Report.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market Report.

Calcium Arsenate—Large stocks are available with a very dull market. Makers holding supplies fairly firm at nominal price of 8c@9c lb.

Copper Carbonate—Prices advanced on basis of advance in metallic copper market. Demand still quiet. Now quoted 16¾c@17¾c lb. as to maker and quantity.

Copper Sulfate—See Heavy Chemical Market Report.

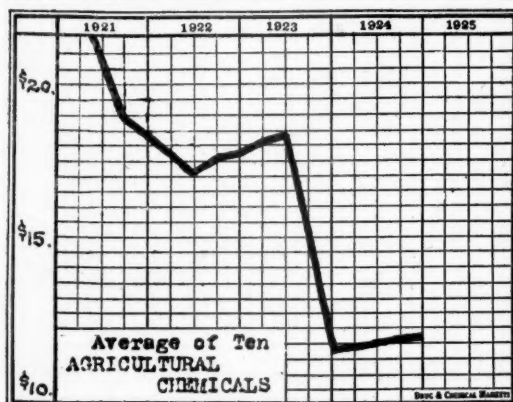
Lead Arsenate—Market continues very dull with makers holding firm at 16½c@20c lb. for immediate shipments from works, dry. Paste steady at 10c@11c lb.

Paris Green—Makers continue to produce pending an active market when season opens. Practically no business reported now. Makers holding price nominal at 25c lb. arsenic basis in kegs.

METALS

Most prices continued to show a slight increase with a drop in antimony. Antimony continued active but closed at 17½c@17¾c lb. spot, New York. Copper held to its ascent reaching \$15.12½@\$15.25 for lake per 100 lb., electrolytic standing at \$15.00@\$15.12½ and casting at \$14.50. Lead climbed to \$10.25@\$10.50 100 lb. New York and \$10.00@\$10.25 East St. Louis. Zinc after an inactive week closed practically where it was a week

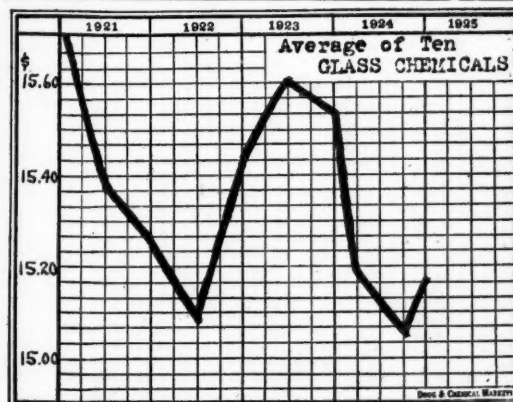
Agricultural Chemicals



Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66%.....ton	14.00	14.00	14.00	15.00	\$55.00	\$20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	2.90	7.75	2.65
Arsenic .....	.06¼	.06¼	.06¼	.13¼	.18	.04
Copper Sulfate	4.70	4.70	4.60	4.60	20.00	4.05
Paris Green .....	.25	.25	.25	.25	.50	.11
Potash Muriate, 90%.....ton	34.55	34.55	34.55	35.55	40.00	48.07
Potash Sulfate, 90%.....ton	45.85	45.85	45.85	45.85	40.00	15.00
Phosphate, Acid, 16%.....ton	9.30	9.30	9.30	8.00	21.00	3.00
Phosphate, Rock 68%.....ton	2.25	2.25	2.25	2.51	5.00	1.90
Sodium Nitrate	2.62	2.60	2.45	2.51	5.00	1.90
Average	11.653	11.651	11.606	11.241	103.50	13.84

Glass Chemicals



Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic	100lb.	66.25	66.25	66.25	118.00	24.00
Fluorspar 96% c.i.f.....ton	34.00	34.00	34.00	33.50	60.00	28.00
Limestone, ground	4.50	4.50	4.50	5.00	8.50	4.00
Litharge	12.25	11.75	11.75	10.90	17.00	9.00
Salt Cake	18.00	18.00	18.00	21.00	40.00	15.00
Silica, crude	10.00	11.00	11.00	10.00	20.00	8.00
Soda Ash, dense	1.45	1.45	1.45	1.45	4.00	.57¼
Sodium Silicofluoride 100lb.	4.25	4.00	4.00	6.00	10.00	3.50
Sodium Sulfate, anhyd.100lb.	3.00	3.00	3.00	3.50	8.00	2.50
Tin Oxide	58.00	58.00	51.00	100.00	60.00	60.00
Average	15.40	15.20	15.20	15.54	28.55	13.07

INDUSTRIAL CHEMICAL SECTION

ago at \$8.17½@8.20 spot, New York and \$7.82½@ \$7.85 East St. Louis. Prospects for the future of the zinc market are reported exceedingly good.

NAVAL STORES

Rosin—No changes in general market conditions, stocks being light with active demand. General advance in prices shown. New York prices for grades B to G, \$8.20 per 280 lb.; H and I, \$8.25; K, \$8.30; M, \$8.50; N, \$8.75; WG, \$9.50 and WW, \$10.50.

Pine Oil—Routine movement reported with slight increase in prices to 66c lb.

Tar—Pine tar situation remained inactive with steady price of \$12 bbl.

Turpentine—Fairly active market reported by dealers but a slight decline in price shown. Closed for the week at 92c gal. New York.

SOLVENTS

Acetone held firm at the recently reduced price of 12c lb. and reported moving in steady volume. Carbon tetrachloride is unchanged at 6¼c@8c lb. as to quantity and is in a firm condition. Carbon bisulfide unchanged at 4c@6¼c lb. as to quantity.

STARCHES, DEXTRINES AND SIZES

British Gum—Prices continue to advance on account of the condition of grain market. Moving in increased volume at \$5.02@5.12 100 lb.

Casein—Continues to be quoted at 45c lb. for edible and 10c@10½c lb. for technical, spot, New York.

Dextrin—A greatly improved movement is reported in this material. Condition of grain market has forced a further advance of 5c throughout. White corn dextrin quoted at \$4.72@4.82 100 lb. in bags; yellow, \$4.77@ \$4.87.

Starches—Continued advance reported, due to grain market. Moving in larger volume with powdered corn

starch \$4.17 100 lb. bagged, in carload lots; pearl \$4.07 and domestic potato starch 7¼c@8½c lb.

SYNTHETIC DYE IMPORTS LESS IN 1924

Total Placed at 2,825,990 Pounds by U. S. Tariff Commission, Showing Decrease of 272,203 Pounds Below 1923 Imports—Value Estimated at \$2,830,698, a Decrease of \$320,665

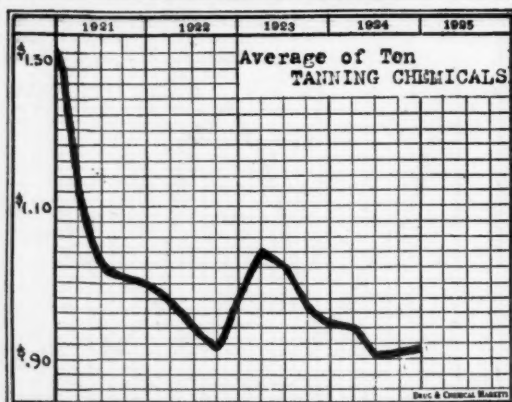
The imports of synthetic dyes during 1924 were 2,825,990 pounds, with a value of \$2,830,698, according to preliminary figures announced by the Tariff Commission. This represents a decrease of 272,203 pounds, and \$320,665, from that of 1923. The following table shows the imports of coal tar dyes for 1924 and for the years 1920 to 1923, together with the imports for the fiscal year 1914.

Year	Pounds.	Value.
1924	2,825,990	\$2,830,698
1923	3,098,193	3,151,363
1922	3,982,631	5,243,257
1921	4,252,911	5,156,779
1920	3,402,582	5,763,437
1914	45,950,895	9,502,714

The dyes of each class according to method of application imported in the largest quantity during 1924, together with the imports during the years 1923, 1922, 1921, 1920, and the fiscal year 1914, are shown in the following table. The 74 dyes contained in this table comprise 62 per cent of the imports during the year 1924.

Schultz Class and Name No.	1924 pounds	1923 pounds	1922 pounds	1921 pounds	1914 pounds
Acid Dyes					
523 Fast Green	30,721	17,190	52,498	22,619	14,347
506 Erioglaucine	28,336	38,254	26,852	16,004	66,526

Leather Chemicals



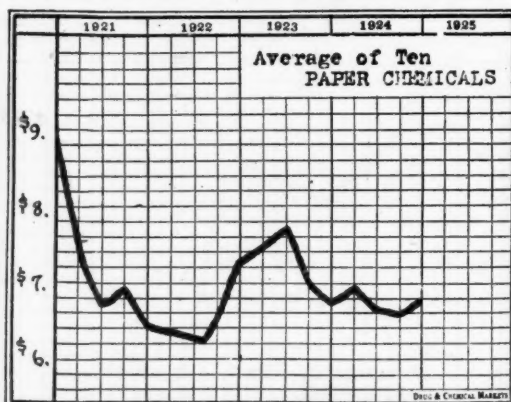
Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.28	\$17.00	\$1.50
Acid, Formic, 90% .....	.11½	.11½	.11½	.14	1.50½	.07
Acid, Lactic, 22% dark .....	.08½	.08½	.05½	.04½	.07	.02
Potassium Bichromate .....	.08½	.08½	.08½	.09½	.65	.06½
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.76	1.00
Sodium Prussiate, imp. ....	.11	.10	.09	.11½	1.25	.18
Soda Ash, 58% wks.	1.39	1.39	1.39	1.38	4.10	.60
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.04½
Sodium Hyposulfite, pra.	2.50	2.50	2.50	2.75	3.78	1.80
Sodium Sulfide, 60% wks. ....	.08½	.08½	.08½	.08½	.10½	.02½

Average928 .926 .925 .981 3.267 .528

INDUSTRIAL CHEMICAL SECTION

Paper Chemicals



Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.40	\$8.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.50	9.50	1.50
Casein .....	.10½	.10½	.10½	.12½	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/1-Cyl. ....	.08½	.08½	.08½	.04½	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40% ....	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.60
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	8.20	7.95	7.65	5.90	4.50	20.25

Average 6.144 6.119 6.089 6.080 13.30 5.50

DRUG & CHEMICAL MARKET

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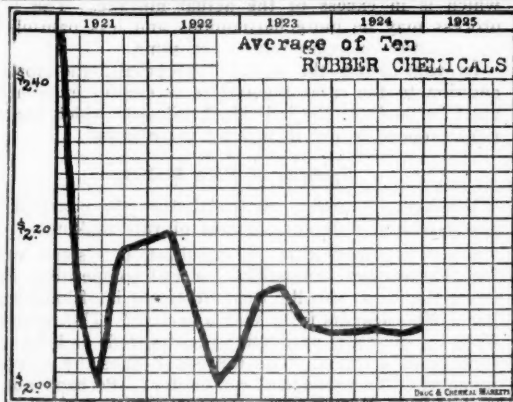
Schultz No.	Class of Dye	1924 pounds	1923 pounds	1922 pounds	1921 pounds	1914 pounds
543	Patent blue	23,606	66,279	49,186	42,708	196,228
22	Xylene light yellow	23,247	46,886	12,937	60,422	23,074
230	Palatine black	12,050	33,500	11,436	14,850	289,274
182	Brilliant sulphur red	11,873	7,414	9,557	7,285	4,871
	Alizarin rubinol	11,118	40,826	26,457	10,917	—
545	Patent blue A	10,713	11,872	3,436	62,744	—
19	Fast light yellow	6,626	6,211	25,555	23,315	38,908
266	Sulphon cyanine black	9,484	15,543	14,858	615	69,590
860	Cyananthrol G	7,817	4,618	20,648	12,713	—
	Polar red	7,756	15,081	14,926	2,579	2,821
531	Eriocyanine	7,716	19,202	14,808	16,808	25,091
	Guinea fast red	6,500	8,325	200	—	5,619
	Brilliant Milling blue B	6,300	8,540	872	2,175	9,966
	Vat Dyes					
761	Indanthrene golden orange R (s.s.)	112,330	79,717	78,145	56,390	50,496
901	Ciba violet B (s.s.)	82,595	64,517	131,661	21,987	20,886
842	Indanthrene blue GCD (s.s.)	73,866	70,546	16,802	201,835	478,980
760	Indanthrene golden orange G (s.s.)	71,465	67,265	73,305	33,423	20,092
869	Algol brown B (s.s.)	64,468	56,081	16,778	6,640	1,596
831	Indanthrene red BN (s.s.)	58,520	16,825	27,383	21,331	6,056
	Indanthrene pink B (s.s.)	49,910	13,349	18,680	—	602
	Hydron brown (s.s.)	41,681	4,005	754	—	1,600
907	Ciba scarlet (s.s.)	40,200	37,524	33,246	10,695	22,265
849	Indanthrene yellow (s.s.)	39,111	87,946	15,507	49,600	12,683
759	Anthraflavone G (s.s.)	34,436	27,721	20,594	10,594	7,143
	Indanthrene blue BCS (s.s.)	32,610	12,240	239,085	—	—
844	Algol blue 3G (s.s.)	32,396	5,516	5,815	4,623	9,191
913	Helindone orange R (s.s.)	31,077	22,871	9,240	919	14,511
832	Indanthrene violet RN (s.s.)	30,169	20,435	1,000	1,680	11,667
	Mordant and Chrome Dyes					
862	Alizarin blue black	77,093	70,917	22,277	43,277	54,706
778	Alizarin (synthetic)	39,645	27,716	27,006	136,283	202,392
858	Alizarin saphirol B	39,498	26,615	46,696	28,606	77,148
855	Alizarin pure blue B	19,627	9,182	14,993	12,796	—
856	Alizarin astrol	16,117	11,224	8,155	24,637	—
779	Alizarin orange	15,202	8,444	15,523	5,854	14,230
784	Alizarin SX, GD	10,910	8,206	7,795	12,905	—
551	Eriochrome azurol BC	10,834	—	43,191	19,344	21,060
	Metachrome blue black	9,900	7,000	3,251	725	399
785	Alizarin RG, GI	9,260	12,528	6,500	18,266	49,021
	Omega chrome brown	8,003	11,511	8,570	5,486	—
	Anthracene chromate brown EB	6,649	8,430	12,326	12,694	9,548
	Eriochrome flavine A	6,614	10,713	12,203	110	—
854	Alizarin viridine	5,778	17,217	25,910	9,499	—

Schultz No.	Class of Dye	1924 pounds	1923 pounds	1922 pounds	1921 pounds	1914 pounds
622	Delphine blue B.....	5,597	2,001	19,333	13,842	—
	Direct Dyes					
	Chlorantine fast brown	30,202	13,568	7,715	4,580	—
449	Trisulphon brown B	24,020	26,980	45,697	38,558	16,781
	Chlorantine fast blue	17,067	—	12,898	5,070	—
392	Toluylene orange	16,818	14,382	36,920	523	67,082
457	Trisulphon brown GG	14,754	16,150	37,648	22,872	7,562
274	Diaminogen B	13,401	32,903	8,527	7,864	313,629
273	Diaminogen blue	12,486	8,878	22,420	19,182	8,308
207	Diphenyl fast brown GNC	11,576	10,126	9,707	969	992
339	Brilliant orange	11,100	3,821	—	160	6,321
	Diamine fast orange	17,793	8,719	6,261	17,387	—
	Chlorantine fast yellow	7,602	2,205	9,808	3,637	—
	Diazophenyl black	7,496	5,407	6,172	1,415	441
	Diamine catechine	6,282	6,643	9,418	7,545	66,876
	Diamine brilliant scarlet	6,000	2,508	4,152	972	5,409
	Basic Dyes					
573	Rhodamine B	94,504	29,083	5,077	10,890	59,354
571	Rhodamine 6G	36,835	31,242	13,545	10,069	37,515
606	Phosphine	24,300	42,176	51,711	21,325	168,225
705	Indamine 6R	7,900	3,500	2,800	9,945	66,170
618	Thioflavine T	6,842	20,283	6,765	7,297	35,224
609	Homophosphine	4,835	2,520	956	918	78,127
608	Euchrysine	4,525	9,483	3,476	872	15,403
559	Victoria blue B	4,508	1,722	3,442	12,342	127,769
516	Crystal violet	4,230	3,738	4,331	1,450	51,872
603	Acridine orange	4,038	9,349	711	1,613	2,336
	Sulfur Dyes					
	Cross dye green	30,567	25,242	27,834	51,074	100
	Thionol brown	14,940	28,802	48,750	20,632	—
	Thional brilliant blue	6,001	—	3,757	1,884	—
709	Pyrogene green 2G	4,620	—	6,503	1,947	238
746	Katigene green	4,409	4,283	11,397	6,543	63,929

DYE SHIPMENT TO JAPAN BY DU PONT

The largest consignment of dyes ever shipped from the Delaware River district to the Far East was consigned this week by E. I. du Pont de Nemours & Co. to Yokohama, Kobe and Shanghai on the British steamer City of Pekin. Heretofore the du Pont company has sent all consignments of dyes to the Orient through New York. Recently, however, the demand for these products has become of sufficient importance to render it advisable to load at the Deepwater Point plant of the company.

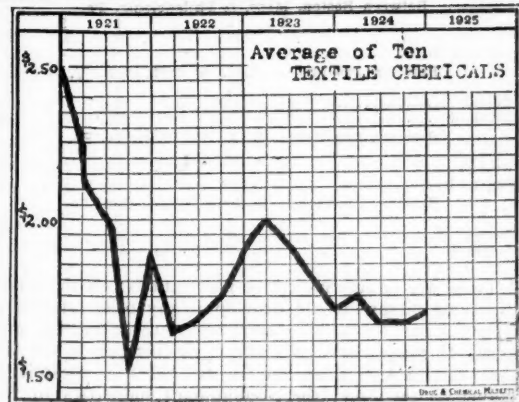
Rubber Chemicals



Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$.39	\$.29	\$.39	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09%	.10	.12	.15	.30	.14
China Clay, Imp	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82%	.82%	.82%	.97	1.35	..
Iron Oxide, Span .....	.03	.03	.03%	.04	.04%	.05
Lithopone .....	.06%	.06%	.06%	.06	.08	.04
Sulfur	3.00	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08%	.08	.08%	.07	.08%	.09
Average	3.449	3.459	3.464	3.820	5.997	..

Textile Chemicals



Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.10%	.10%	.06%	.12	.70	.07%
Bleaching Powder	1.90	1.90	1.50	1.50	9.50	1.50
Copper Sulfate	4.70	4.70	4.65	4.65	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.80
Potash, Caustic, Imp .....	.07%	.07%	.07%	.06%	.87	.12
Soda Ash, 38% wks.	1.38	1.38	1.38	1.38	1.10	.80
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.50
Sodium Bichromate .....	.06%	.06%	.06%	.07%	.45	.06%
Average	1.785	1.784	1.778	1.762	4.800	1.43

INDUSTRIAL CHEMICAL SECTION

MABEY ON CHEMICAL FREIGHT RATES

(Continued from Page 94)

		Between Albany, N. Y. and Detroit, Mich.				
		1	2	3	4	5
Present	.....	106½	93	70½	49½	35½
Proposed	.....	120½	102½	80½	60½	42
		Between Albany, N. Y. and Chicago, Ill.				
		1	2	3	4	5
Present	.....	136½	119½	90½	63½	45½
Proposed	.....	154½	131½	103½	77½	54
		Between Syracuse, N. Y. and Cleveland, Ohio				
		1	2	3	4	5
Present	.....	74½	65½	49½	35½	25
Proposed	.....				
		(See Note Page 7)				
		Between Syracuse, N. Y. and Cincinnati, Ohio				
		1	2	3	4	5
Present	.....	99	87	69½	47½	33
Proposed	.....	112	95	75	56	39
		Between Syracuse, N. Y. and Detroit, Mich.				
		1	2	3	4	5
Present	.....	93½	79	62	47	33½
Proposed	.....	95½	81	64	48	33½
		Between Syracuse, N. Y. and Chicago, Ill.				
		1	2	3	4	5
Present	.....	113½	99½	75½	53	38
Proposed	.....	129	109½	86½	64½	45
		Between Portland, Me. & Buffalo, N. Y.				
		1	2	3	4	5
Present	.....	85½	73½	59½	42½	34½
Proposed	.....	111	94½	74½	55½	39
		Between Portland, Me. & Pittsburgh, Pa.				
		1	2	3	4	5
Present	.....	90	78½	59½	42½	36½
Proposed	.....	133	113	89	66½	46½
		Between Portland, Me. & Philadelphia, Pa.				
		1	2	3	4	5
Present	.....	85½	73	59½	42½	34½
Proposed	.....	107	91	71½	53½	37½
		Between Lowell, Mass. & Buffalo, N. Y.				
		1	2	3	4	5
Present	.....	84	73½	57	40	34½
Proposed	.....	101	85	67½	50½	35½
		Between Lowell, Mass. & Pittsburgh, Pa.				
		1	2	3	4	5
Present	.....	90	78½	59½	42½	36½
Proposed	.....	125	106½	84	62½	44
		Between Lowell, Mass. & Philadelphia, Pa.				
		1	2	3	4	5
Present	.....	73½	63	51	40	32
Proposed	.....	97	83½	65	48½	34
		Between Boston, Mass. & Buffalo, N. Y.				
		1	2	3	4	5
Present	.....	84	73½	57	40	34½
Proposed	.....	103	87½	69	51½	36
		Between Boston, Mass. & Pittsburgh, Pa.				
		1	2	3	4	5
Present	.....	90	78½	59½	42½	36½
Proposed	.....	125	106½	84	62½	44
		Between Boston, Mass. & Philadelphia, Pa.				
		1	2	3	4	5
Present	.....	69½	60	50	38	32
Proposed	.....	97	82½	65	48½	34
		Between Providence, R. I. & Buffalo, N. Y.				
		1	2	3	4	5
Present	.....	84	73½	57	40	34½
Proposed	.....	105	89½	70½	53½	37
		Between Providence, R. I. & Pittsburgh, Pa.				
		1	2	3	4	5
Present	.....	90	78½	59½	42½	36½
Proposed	.....	121	103	81	60½	42½
		Between Providence, R. I. & Philadelphia, Pa.				
		1	2	3	4	5
Present	.....	66½	60	50	38	32
Proposed	.....	95	81	63½	47½	33½

These are merely indicative illustrations; on the whole the same picture would develop if any other station in Trunk Line Association territory were taken for purposes of comparison. Of major significance is the fact that this investigation covers an old and established industrial territory; the predominant industries of this country are within its borders. The present rate structure, therefore, cannot be criticized as one which is preventing the development of this section of the country. Far from it. There is one thing to be said in favor of these proposals. They are now in such form that industry within this great territory knows that, at last, the spectre of the long impending readjustment is going to be laid. The wheels cannot be stopped; the Commission in due time will finally dispose of the

INDUSTRIAL CHEMICAL SECTION

whole question, upon the facts which it finds upon the record made in public hearing. This removal of uncertainty is certain to be beneficial; the decision will enable industries to determine whether or not to expand in their present location or move to a more favored community. From the standpoint of the producer, the question of market competition grows more important year by year, hence the increasing seriousness of the freight rate situation between competitors. Manufacturing processes have been stabilized with years of experience, costs of production likewise tend to uniformity for the same reason, prices are naturally affected thereby, and the controlling sales factor often becomes the difference in the competitive freight rate. If the less favored shipper cannot afford to shrink his profits by this difference, he cannot make the sale.

Another important angle of the carriers' proposals is the abolition of existing rate groups; or, if the groups are preserved, as in the case of New York, Philadelphia and Baltimore, the method used in arriving at the mileages upon which the rates are based. This is distinctly a problem which differs with each individual.

It is unnecessary to emphasize further the disturbance which will result, for instance, in the case of an industry which is located without the corporate limits of some city for definite purposes, or within an old established rate group, if, under this new adjustment, that industry's rates are made higher than those of a competitor that may be only a few miles distant who falls within a different mileage group.

Another factor of the carriers' proposals which must be studied by the individual is the method used by the carriers in arriving at mileages. Assuming that a mileage system of rate-making goes into effect, it does not necessarily mean that the rates are based on actual mileage. The use by the carriers of what is known as constructive mileage, that is, a fictitious mileage which is in excess of the actual mileage, is well recognized. Often good and sufficient reasons exist for the use of such mileages. Even a limited examination of the carriers' proposals indicates their use of constructive mileages. It is self-evident that under a mileage scheme a rate can be made higher by directly increasing the figure, and it also can be advanced by using a mileage which is in excess of the actual mileage. The latter process may be more harmonious and less painful, but the resulting increase is just the same.

In considering the carriers' proposals, therefore, in addition to the rates themselves, a careful examination must be made of the individual mileages which the carriers propose to use in making these rates.

Systems of Rate Making

We have, therefore, on trial before the court of last resort several different systems of rate making:

(1) The competitive or equalization system, meaning that market competition, or rail competition, holds down the rates; usually, the adjustment is of long standing. Who benefits from such a system? The producer? Yes, by quantity production, centralized, and by wide latitude in markets. The railroads? Yes, by increased tonnage. The producers' competitor? Perhaps not, although usually offset by a like ability to reach his competitors' markets. The consumer? Most of all, because he is assured of the full play of competition between producers.

(2) The group system, meaning that the territory is blanketed in large groups between which rates are equalized, as now in trunk line territory. Who benefits by this? The producer, because he has a comparatively

(Continued on Page 115)

NAME EIGHT NEW STANDARD DYES

Customs Service of the Treasury Department Also Lists Seven Others for Similitude

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 14.—The Customs Service of the Treasury Department has announced supplemental dye list No. 16, giving new standards of strength of coal tar dyes for the purpose of assessing the specific duty of 7 cents per pound, which is applied in the proportion that the strength of the import bears to the strength of similar commercial importations prior to July 1, 1914. This supplemental list adds eight dyes to the standards, and names seven others for similitude to dyes previously listed. In the following list the standard is given first, and the identical product is indicated under each standard:

No.	Class	Name of Standard	Mfr.
1 Q	S.821 C.1134	Algol Blue 3 R, 12½% Paste	(By)
		Algol Blue 3 R, Pastes & Powder.....	(By)
2 Q	(V.W)	Anthra Wool Red CR, 10% Paste.....	(B.)
		Anthra Wool Red C R, Pastes & Powd. (B.)	
		Helindone Red C R, Pastes & Vat	
		in Grains	(M.)
3 Q	(D)	Benzo Bronze E	(By)
		No identical product	
4 Q	(A)	Brilliant Acid Blue, R Extra	(G.)
5 Q	(M)	Acid Pure Blue R Supra No. 614	(G.)
		Chromodine 6 G N, Extra	(D.H)
		No identical product	
6 Q	(D.d)	Diazo Brown 6 G	(By)
		No identical product	
7 Q	(V)	Indanthrene Printing Black B R	
		28% Paste	(B.)
		Indanthrene Printing Black B R	
		Pastes & Powder	(B.)
		Helindone Printing Black I B R	
		Pastes & Powder	(M.)
		Vat Printing Black B R Pastes & Pow. (By)	
	(B)	Sorrel Red X	(B.)
8 Q	S.64	Sorbin Red	(B.)
		No identical product	

Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards

201	S.910 C.1211	Helindone Pink A N 10% Paste.....	(M.)
		Vat Pink A N Pastes & Powder	(By)
5 D	(V)	Hydron Scarlet 3 B 16-2/3% Paste.....	(C.)
		Helindone Fast Scarlet B	
		Pastes & Powder	(M)
316	S.840 C.1109	Indanthrene Blue 3 G 10% Paste.....	(B.)
		Vat Blue 3 G Pastes & Powder.....	(B.)
323	S.763 C.1099	Indanthrene Dark Blue B O 25% Paste.....	(B.)
		Vat Dark Blue BO Pastes & Powder..	(B.)
		Vat Dark Blue BOA Pastes & Powder..	(B.)
70 A	(V)	Indanthrene Green G 25% Paste.....	(B.)
		Helindone Green 1G Pastes & Powder..	(M.)
332	S.766 C.1103	Indanthrene Violet R Extra 25% Paste..	(B.)
		Vat Violet R Extra Pastes & Powder..	(B.)
19 P	S.566 C.737	Wool Green S	(B)
		Wool Green B S	(By)

Alabama Lime & Stone Corp., capitalized at \$2,000,000, will erect an \$800,000 plant for the manufacture of lime at Calera, Ala., thirty miles south of Birmingham.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids on Jan. 20 for 18,000 pounds of sulfuric acid.

United Drug Co. has declared a quarterly dividend of 1½% on common stock, payable March 2 to stock of record Feb. 14.

Houbigant, Inc., has filed judgment for \$147.41 in New York county against Morris P. Gordon of Hewlett Pharmacy.

The Polish Cabinet has adopted a bill providing for a match monopoly, according to a Reuters telegram from Warsaw.

Columbian Carbon Co. has declared a quarterly dividend of \$1 a share, payable Feb. 2 to holders of record Jan. 19.

NEW COLOR CARDS ARE OUT

The Textile Color Card Association and the National Association of Hosiery and Underwear Manufacturers have prepared a list of sixty-four colors as standard shades for the hosiery industry. The colors cover sport and evening shades and neutral tones for daytime wear. Included in the sixty-six shades are nine browns, ten grays and ten others, which collectively cover the category of nude, beige, fawn and similar tones. In addition there are six forming the blush, biscuit and tortoise group. The sports colors are shown, while fifteen are named for evening wear.

The collection is not intended as a Spring forecast, but is a compilation of standardized staple colors suitable for the volume of manufacturers' production for all seasons. The colors are being issued in samples of hosiery fabrics, and each color bears the official name.

It was announced by Margaret Hayden Rorke, managing director of the Textile Color Card Association, that the appointment of an official hosiery committee is a permanent one and that the body will meet regularly and, from information gathered from all sources, will make seasonal color selections, which will be sent semi-annually to the joint membership of the two associations. The committee will begin forecasting in time for next Fall's production.

The Textile Color Card Association released on Jan. 9 the Spring seasonal color card for general distribution to the trade. The card contains eighty-six colors, fourteen being shown in wool and seventy-two in silk, six of the silk shades being shoe and leather colors. The theme of the colors shown is distinctly Spanish. Another feature is a group called "dancing shades." These are typically French. Among the colors are sand or natural cashmere shades called Lido and Biarritz. In the woolen group are sand shades and rose tans.

MAKE ETHYL GASOLINE TESTS

Results of tests on exhaust gases from engines using ethyl gasoline show that no increase in hazard from automobile engine exhaust gases is due to the use of tetraethyl lead in gasoline, according to experiments carried out by the Bureau of Mines in conjunction with the General Motors Research Corp. Various small animals were exposed for 188 days to different concentrations of exhaust gases from ethyl gasoline, but no symptoms of lead poisoning were noted. Ethyl gasoline contains three cubic centimeters of tetraethyl lead per gallon, and two cubic centimeters of a carrier, usually ethylene dibromide. Ethyl gasoline should not be confused with ethyl fluid, which is a mixture of concentrated tetraethyl lead and ethylene dibromide in the proper proportions for mixing with gasoline.

R & H GIVE VULCANIZATION CERTIFICATE

The Roessler & Haeslacher Chemical Co. now furnishes a certificate of vulcanization for users of R & H accelerators. The certificate is based on the laboratory test which is made of every lot. The stress strain of each particular lot when used in a comparative formula and cured in a steam press at a certain temperature for the proper length of time is shown in relation to the vulcanization curve reproduced on the certificate.

The certificate is signed by a technologist of The Roessler & Haeslacher Chemical Co. and forms a written guarantee of the quality of the R & H accelerator.

Lehn & Fink have filed judgment for \$452.71 in New York county against Joseph H. Fischer.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Jan. 10

	Bid	Asked		Bid	Asked
*Air Reduction	90	90 3/4	Grasselli	125	130
*Allied Chem. & D.	83 3/4	84	Grasselli, pf.	101	103
*Allied Ch. & D., pf. 117	118		Hercules Powder	88	92
*Am. Ag. Ch.	145 1/4	145 1/4	Hercules Powder, pf. 103	105	
*Am. Ag. Ch., pf.	43 3/4	44	Heyden Chem.	2 3/4	3
*Am. Chicle, pf.	40	40 1/2	Hooker Electro	6	10
*Am. Chicle, pf.	94	95	Hooker Electro, pf.	24	30
*Am. Cyan.	91	95	Household Products	36 1/4	36 3/4
*Am. Cyan, pf.	76	78	*Int. Agricult.	34	1 1/4
*Am. Druggist, S.	5 1/4	5 1/4	*Int. Agricult., new	7 1/4	7 3/4
Am. Glue	47	50	*Int. Agricult., pf.	99 1/4	104 1/4
Am. Glue, pf.	106	100	*Int. Nickel	26 1/4	26 3/4
*Am. Linseed	27	28	*Int. Nickel, pf.	95	96
*Am. Linseed, pf.	57	58	*Int. Salt	73	77
*Am. Metal	51 3/4	52	*Mathieson Alk.	53 1/4	54
*Am. Zinc	11 1/4	11 3/4	*Mathieson Alk., pf.	94	100
*Am. Zinc, pf.	38 1/2	38 3/4	MacAnd. & Forbes	148	153
Archer-Dan-Mid.	27	27 1/4	Forbes, pf.	97	101
Archer-Dan-Mid., pf.	80	94	Merck & Co., pf.	57	60
*Atlas Powder	51	52	Merrimac	84	86
*Atlas Powder, pf.	92	94	Mulford Co.	30	33
By-Prod. Co.	46	40	*National Lead	164	164 3/4
By-Prod. Co., pf.	102	105	Niag A., pf.	80	85
Canad. Ind. Al.	18 1/2	19 1/2	N. J. Zinc	160	164
Canad. Salt	105	115	Parke, Davis & Co.	77	80
Casolin Co.	62	66	Penn Salt	81	83
Celluloid Co.	55	60	*Peoples Gas, Chi.	113 3/4	114
Celluloid Co., pf.	96	96	Procter & Gamble	114	116
Certain-teed Prods.	43 1/4	43 3/4	Procter & Gam., pf.	185	180
Charcoal Iron	10	20	Royal Bkg. Pow.	148	180
Ches. Mfg.	47	49	Royal Bkg. Pow., pf.	98 1/2	100
Ches. Mfg., pf.	112	115	Shawinigan	130	132
Clark Co., Fred.	2 1/4	4	Sherwin-Williams	30	32
Cleve. Cliffs Iron	70	75	Sherwin-Williams, 1st pf.	100 3/4	—
*Com'l Solv. A.	110	113	*Sterling Prod.	63 1/4	64
Da. B.	108	112	Swan & Finch	20	24
Rights	—	4 1/2	*Tenn. C. & Chem.	8 1/4	9
*Corn Products	39 3/4	40	*Tex. Gulf, Sul.	103 1/2	104
*Corn Products, pf.	118 3/4	118 1/2	Union Carbide	59 1/4	—
*Davison Chem.	43 1/4	44	*Un. Drug	117	119 1/2
Dow Chem. non par.	35	65	*Un. Drug, 1st pf.	52	56
Dow Ch., pf.	98	102	*Un. Dyewood	21	28
Dow Drug Co.	140	—	*Un. Dyewood, pf.	52	84 1/4
Dow Drug Co., pf.	105	108	Un. Gas Imp.	86	87
Do Pont Deb.	94	96	U. S. Gypsum	127	133
Do Pont de Nem.	138	139	*U. S. Indus. Al.	83 3/4	84
*Eastman Kodak	110 1/4	111	*U. S. Indus. Al., pf.	105	107
*Eastman Kodak, pf.	111 1/4	—	*Va. Car. Ch.	2 1/4	2 3/4
*Freepore Tex.	10 1/4	10 1/2	*V. Vivaudou	73 1/4	8
*Genl. Asphalt	60	60 1/2	Will & Baumer	12	14
*Genl. Asphalt, pf.	98	100 1/4			
*Gold Dust	40 1/2	41			

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.78
France (franc)	.183	.053
Italy (lira)	.193	.041
Belgium (franc)	.193	.049
Czechoslovakia (crown) per hundred	20.30	.030
Denmark (krone)	.268	.179
Germany (mark)	.238	.238
Holland (guilder)	.402	.405
Norway (krone)	.258	.133
Poland (zloty)	.193	.192
Spain (peseta)	.193	.142
Sweden (krone)	.268	.269
Switzerland (franc)	.193	.193
Argentina (peso)	.424	.398
Brazil (millreis)	.324	.118
Japan (yen)	.499	.382
India (rupee)	.485	.356
China (Silver dollar, Hongkong)	.789	.557
(Tael-Peking, silver)	1.156	.780
(Tael-Shanghai, silver)	1.986	.755

Griesheim Chemical Works, Frankfurt, will build ammonia and nitrate plants in Chicago and Baltimore. Several directors of the German company will arrive in America in the near future.

Among the securities sold at auction by Adrian H. Muller & Sons at the Vesey Street Auction Rooms, last week, were 60 shares United States Manganese Corporation, at \$1 the lot.

E. Dougherty, Philadelphia, for more than forty years associated with the fertilizer and chemical business, has retired on account of impaired health.

Barrett Co. has filed judgment in New York county against Arthur J. Schneider for \$116.65.

INDUSTRIAL CHEMICAL SECTION

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

Lyon Manufacturing Co., Brooklyn, 1,000 shares common stock, no par value. Making medicines. S. G. Williams, W. J. O'Shea Jr., J. J. Griffin. Attorneys, Worcester, Williams & Saxe, New York.

Ambrose Dyeing and Finishing Co., Brooklyn, \$40,000. W. Ciler, L. Bernstein, J. Levy. Attorneys, Greco & Strizver, New York. Rethman's Chocolate Co., New York, \$35,000. Make candy. D. Rothman, G. Kaplan, M. Smulowitz. Attorney, J. S. Shapiro, New York.

Citrus Pharmaceutical Co., Wilmington, Del., \$500,000. Corporation Trust Co. of America.

Day Industrial Laboratories, Wilmington, Del., \$1,500,000. Franklin L. Mettler, Wilmington.

Vander Co., Wilmington, Del., \$1,300,000. Chemists and Druggists. Corporation Trust Co. of America.

Vietor Color Corp., New York, \$100,000. Leather dressings. P. C. Shannon, C. L. Vietor, W. Hosken. Attorney, W. T. Van Alstyne, New York.

W. S. & L. Manufacturing Corp., Wilmington, Del., \$300,000. Chemists and dye makers. Colonial Charter Co., Wilmington.

Marvelo, Inc., Caldwell, N. J., \$50,000 preferred stock, 2,000 shares common, no par value. Cleansing products. Attorneys, Strange & Meyers, New York.

National Graphite Corp., Boston, \$400,000. Graphite products. Dexter B. Pattison, Frederick S. C. Grover, Frank J. Bradley.

Symonds, Inc., Boston, \$150,000. Drugs, chemicals and sundries. Harold M. Symonds, Edward G. Randolph, John J. McNally.

G. M. Clark Co., Portland, Me., 1,000 shares common stock, no par value. Manufacture and deal in acids, alkalies, oils, salts and mineral compounds.

Anglo Chilean Consolidated Nitrate Corp., Wilmington, Del., \$172,500,000. Corporation Trust Co. of America.

Altoona Glass Products Corp., Baltimore, Md., \$1,300,000. Manufacture. Geo. A. Mason, John S. Deale, Geo. F. Brandenburg. (F. L. Mettler, Wilmington, Del.)

Pan-Pharmaceutical Corp., Philadelphia, \$250,000. Manufacture. H. H. Bram, Norman W. Golsin, S. K. Kraus. Delaware Registration Trust Co.

Kath Laboratories, Newburgh, N. Y., \$100,000. Drugs. C. J. Brown, L. C. Tinker, D. C. Truex. Attorney, H. R. Herman Newburgh.

U. S. Sanitary Hand Cleaner, Brooklyn, N. Y., \$25,000. Soap. M. Spiegler, L. and S. Goldstein. Attorney, N. Barlach, New York.

Mutual Ice and Cold Storage Co., Wilmington, Del., \$2,000,000. Manufacture ice cream and similar products. Colonial Charter Co.

California Zinc Co., Wilmington, Del., \$310,000. Manufacturing. Corporation Trust Co. of America.

Adernella Co., Wilmington, Del., \$100,000. Manufacture face cream. Corporation Service Co.

Orizla L. Grande, Wilmington, Del., \$50,000. Toilet articles. Corporation Service Co.

Cubicola Chemical, Philadelphia, \$50,000. Manufacturing. Corporation Guarantee and Trust Co.

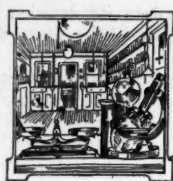
Stockholders of United Drug Co. will meet on Jan. 21, to ratify a plan whereby holders of \$13,000,000 stock of Liggett's International may exchange the stock for first preferred 7 per cent stock of United Drug. The exchange is to be at the rate of 1 1-7 shares of United Drug for each share of Liggett's International.

American Smelting and Refining Co. has raised the annual rate on the common stock from \$5 to \$6 a share. A quarterly dividend of 1 1/2 per cent will be paid on the common stock on Feb. 2 to stockholders of record Jan. 16, and 1 1/4 per cent on the preferred stock, on March 2 to stockholders of record Feb. 6.

Corn Products Refining Co. has sold the \$2,000,000 corn starch plant at Oswego, N. Y. to a syndicate of Wall Street interests. The plant, which comprises more than twenty buildings possesses one of the finest manufacturing water powers in Northern New York.

Archibald Alexander Smith, dealer in fertilizers and operating under the trade names of A. A. Smith Cotton Product Co., and A. A. Smith Cotton Co., has filed a petition of voluntary bankruptcy in the U. S. District Court, Atlanta, Ga.

Lehn & Fink have filed judgment in New York county against Joseph H. Fischer for \$452.71.



Drug & Fine Chemical

SECTION



Marking of Imported Merchandise

Where the Line is Drawn Between Labelling An Article and Its Package With Country of Origin

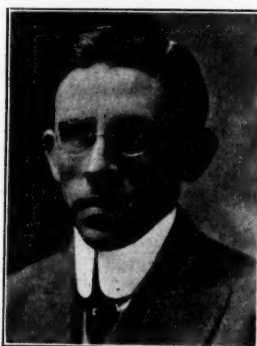
By JAMES W. BEVANS, Attorney in Federal Courts

THE requirement in Section 304, Tariff Act of 1922, that imported articles, and packages containing the same, shall be marked in English with the name of the country of origin is not new, as for many years, Tariff Acts have contained such provisions. Such a requirement was embodied in the Tariff Acts of July 24th, 1897 (Section 8), August 5th, 1909 (Section 7), and October 3rd, 1913 (Section 4—Par. (f), Sub-Section 1). However, in re-enacting this marking requirement, there has been added to it, in Section 304a of the Tariff Act of 1922, a new provision, imposing a penalty in the form of an additional duty of ten per centum of the appraised value, where the article, at the time of importation, is not properly marked.

Section 304 provides that every article imported into the United States, which is capable of being marked without injury at the time of its manufacture, shall be marked, stamped, branded, or labeled, in legible English words, in a conspicuous place that shall not be covered or obscured by any subsequent attachments or arrangements, so as to indicate the country of origin, and such marking, stamping, branding, or labeling shall be as nearly indelible and permanent as the nature of the article will permit, and that articles not so marked will not be released from Customs until the Law is complied with. This requirement is substantially the same as those of the preceding Tariff Acts mentioned.

It will be noted that an imported article not marked with the country of origin, as required by this Section, may be so marked and thereupon released from Customs Custody. Even though so marked, however, and consequently released from Customs and permitted entry, the importer is, nevertheless, penalized, under the new matter contained

in the Tariff Act of 1922, same section, which provides that unless an article not properly marked at the time of importation, is exported under customs supervision, there shall be levied, collected and paid upon such article, in addition to the regular duty, a duty of ten per cent of the appraised value thereof, or if such article



JAMES W. BEVANS

If an importer fails to mark an article with the country of origin, he may do so upon arrival at an American port, but is liable to a fine of 10 per cent additional duty. If he fails to mark the container, he can do so when the goods reach here, but there is no penalty. Where is the line drawn between the package and the goods? Because of his twenty years experience in the Customs Service, prior to entering the private practice of law in Federal Courts, Mr. Bevans is well qualified to explain the actual working of this phase of the Fordney Tariff Law.

is free of duty, a duty of ten per cent of the appraised value.

Therefore, it will be seen that if the article, at the time of importation, is held by the Collector of Customs not to be marked as required by Section 304, it will be retained in customs custody, and the importer may either export it without payment of duty thereon, or he may properly mark it under customs custody, but if he elects the latter course, the duty is increased ten per cent.

That part of Section 304 which I have discussed above refers to the product itself. There is another part of the section which refers to the package, and requires that every package containing any imported article or articles, shall be marked, stamped, branded, or labeled in legible English words, so as to indicate clearly the country of origin, and packages not so marked, will not be delivered from Customs until this is done. While there is the same requirement as to the marking of the country of origin on the package containing the imported article as upon the article itself, there is no penalty provided where the package arrives in this country without being so marked.

If, therefore, a package should arrive not properly marked, it may be marked with the country of origin under Customs supervision, and when this has been done, and its release obtained, the penalty in the form of an additional duty will not be levied.

The question has, therefore, arisen in connection with a number of importations, as to what constitutes the article and what the package. It would seem perhaps that this question could hardly arise, as there should be no very great difficulty in distinguishing the article from the package. However, the question was raised in connection with an importation of cigar bands in packages

of 100 each with a retaining band or wrapper; raisins packed in wooden boxes containing about 28 to 30 lbs. each; figs in small baskets of about 1 kilo each, and larger baskets of about 6 kilos each; and also in a number of other cases including caustic potash in drums. In each of these cases, except the cigar bands

case, the Government contended that the container plus the contents was a unit and constituted the article referred to in Par. (a) of Section 304, and that the container not being properly marked at the time of importation, the penalty of ten per centum additional duty attached. The importer in each case protested against this action of the Collector of Customs (who is acting under instructions of the Treasury Department), and has contended that the article, within the meaning of Section 304, is the contents of the package, namely, individual bands in the first case, raisins, figs and caustic potash in the other cases, and that these articles are incapable of being marked and, therefore, are not within said Section, and that while the containers must be marked with the country of origin, no penalty attaches.

In the cigar bands case, the Collector of Customs held that the Law was complied with by the marking of the wrappers or bands which held the cigar bands in packages of 100 each. The decision of the Collector was protested by an American manufacturer, and the Board of U. S. General Appraisers in T.D. 40094 of March 22nd, 1924, held that the individual bands or labels were the articles contemplated by Section 304, and that they were capable of being marked without injury at the time of manufacture and, therefore, directed the Collector of Customs to assess the penalty of ten per cent. The case was carried to the U. S. Court of Customs Appeals, and that Court on June 28th, 1924, T.D. 40318, sustained the Board of U. S. General Appraisers. The Court in its decision, defined an article as "something considered by itself, a particular object or substance; a material thing of a particular class or kind"; and stated that the imported article under consideration was not the bundle or package of cigar bands, but the cigar band itself, manufactured for a definite purpose and use and imported in packages for convenience in handling.

In the raisin case, the Board of U. S. General Appraisers, T.D. 40018, February 14th, 1924, reversed the decision of the Collector of Customs, who had held that the imported package, that is, the wooden box and its contents, 28 to 30 lbs. of raisins constituted an entirety and was, therefore, the article within the meaning of Section 304. The Board stated that the Section made a very clear distinction between articles and packages, and that in the case under consideration, the raisins were the articles, and inasmuch as they were not capable of being marked at the time of production, the importer was not subject to a penalty of ten per cent, as the failure to mark the wooden boxes did not, under the Law, carry with it such penalty. This case, I understand was appealed to the U. S. Court of Customs Appeals, and to date a decision has not been handed down.

In the fig case, the Board of U. S. General Appraisers decided that in the case of the large baskets of figs, the figs were the articles and not the baskets with their contents, but in the case of the smaller baskets, that the baskets and the figs together constituted the article. The U. S. Court of Customs Appeals in T.D. 40483, November 4th, 1924, discussed the Law at some length, and referred again to the definition of an article which it had adopted in the case of the cigar bands.

The Court also discussed the word "package" and stated that manifestly that word as used in Section 304, refers to the container, and that in the case under consideration the baskets whether large or small were containers for the figs, and that the figs themselves constituted the articles referred to by said Section. The

Court, therefore, sustained the Board in its decision as to the larger baskets of figs, and reversed it as to the smaller baskets.

In the caustic potash case, the potash was imported in metal drums and the Collector of Customs assessed a penalty because the drums were not marked, thereby holding that the drum and the caustic potash together constituted the article within the meaning of Section 304. This case has been protested, but no decision has been rendered.

From the foregoing decisions, it will be seen that the U. S. Court of Customs Appeals (the Appellate Court) has adopted the view that contents cannot be merged into the package and the whole considered as a unit and the importer subjected to the penalty of ten per centum. We do not see how the Court could have reached any other conclusion because the language of the statute is plain, and the words used, that is, "article" and "package" have well defined meanings. If the Treasury Department's view were accepted, all imported bulk goods, as for instance, liquids of any kind, merchandise in powder form, or in fact any article incapable itself of being marked, would be merged into its container and the whole constitute an article, thereby subjecting the importer to a penalty.

It is my opinion that there can be no proper distinction drawn between consumer packages and bulk packages, and that regardless of how packed, that is, whether in large or small packages, drums or boxes, the article, within the meaning of Section 304, is what is contained in the box or drum or other container, whether powdered or liquid, or any other form, and that no penalty attaches should the package arrive without the country of origin marked thereon.

A number of decisions have been rendered under Section 304. For instance, the Section requires that the article shall be marked in a "conspicuous" place. The Board of U. S. General Appraisers in T.D. 40222 of May 27th, 1924, held that the section does not require the most conspicuous nor in fact any particular place. Therefore, the Board held that a book was properly marked where the name of the country of origin was plainly printed in English at the end of the text at the close of the book.

In T.D. 39621, May 7th, 1923, the Board of U. S. General Appraisers held that furniture constituted articles capable of being stamped or marked, and that it would be properly so marked within the meaning of Section 304, if it were stamped on the back or underside, which could be done in such a manner as not to injure it.

The Treasury Department in a recent decision, T.D. 40427, October 21st, 1924, published a synopsis of various rulings regarding the marking of imported articles, some of which decisions had been published, and some apparently addressed to the Collector of Customs, and not embodied in the weekly Treasury Decisions.

In this decision, the Department states that the names of the capital cities of the older countries of Europe will be accepted as sufficient to indicate the country of origin under Section 304, for instance, London, Rome, Paris, Berlin, Brussels, and other capitals. However, it is stated that the names of cities other than capitals will not be accepted as sufficient compliance with the law, for the reason that no line can be drawn between cities which are sufficiently well known to indicate the country, and cities not so well known.

Tooth brushes stamped with the name of the country of manufacture in very small letters on the head of

(Continued on page 114)

Industrial Alcohol Division Is Urged

Witnesses Before the Sub-Committee of the Senate Judiciary Committee Suggest Amendments to the Cramton Bill Providing for Chemist in Charge of Alcohol Division—Board of Appeals Wanted by Manufacturers Who Say Prohibition Unit Hampers Legitimate Industry—Dr. Baekeland Says the Prohibition Officials Wear Blinders—Dr. M. C. Whittaker's Statement Charges Inefficiency—Dr. Herty Favors Civil Service—The Hearings Ended

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 14.—The Cramton bill hearings were resumed on Wednesday of last week with P. Samuel Rigney of the Organic Synthetic Chemical Manufacturers Association as the first witness before the sub-committee of the Senate Judiciary Committee. Mr. Rigney told the Committee that in his opinion the Cramton bill is impracticable and he is opposed to its passage he said because he does not believe that the prohibition officials who are trying to enforce the law should also have charge of alcohol regulations for legitimate industries. The passage of the Cramton bill, he contended, would disarrange legitimate industry, which does not need a law to compel it to obey the prohibition act. Leave legitimate industry alone he said and stop the sale of potable.

Mr. Rigney challenged the statement made at the former hearings by Dr. Doran of the Prohibition Unit that there is a 10 per cent leak in alcohol. Pressed for his own opinion, Mr. Rigney said that he did not believe that the leakage was more than 2 per cent. He called the Committee's particular attention to the fact that a large amount of alcohol is being imported over the borders and the seaboard.

Says Alcohol Leakage Is Small

Dr. William Jay Schieffelin, representing the National Wholesale Druggists Association, told the Committee of decisions of the Commissioner of Prohibition which had to be appealed to the Commissioner of Internal Revenue, in all of which cases he said the Prohibition Commissioner was overruled. He also spoke of the organization by the Commissioner of Internal Revenue of the Alcohol Advisory Committee which acts in an advisory capacity to the Commissioner when matters of importance to drug and chemical manufacturers are under consideration. He took issue with the statement made by Dr. Doran regarding the 10 per cent leakage of alcohol. He told the Committee that in the laboratory of his firm a barrel of alcohol had shrunk almost 10 per cent because it was left in too hot a place.

W. L. Crounse, Washington, representative of the National Wholesale Druggists Association, told the Committee that legitimate manufacturers cannot take emergency orders because they are rarely able to get additional alcohol without a great deal of red tape. The prohibition restrictions he said have undoubtedly stunted the growth of legitimate business. Mr. Crounse took issue with Dr. Doran's 10 per cent alcohol leak "guess" and declared that it was not correct. The proponents of the bill, he said, speak of the domestic alcohol diversion, but they say nothing of the large quantities of foreign alcohol which is finding its way into the United States from France, Belgium and other countries. Large quantities of this alcohol, he said, are being sold by United States Marshals at prices lower than domestic manufacturers prices. It is estimated that the Government has lost over \$1,000,000 in taxes

as a result of the tax-free distribution of this smuggled alcohol.

Correspondence was submitted to show that the attention of the Department of Justice, the Internal Revenue Bureau and the prohibition unit was called to the situation by Captain James P. McGovern, Washington attorney for United States Industrial Alcohol Co., and that Commissioner Blair upheld Mr. McGovern's construction of the law. When Commissioner Blair instructed collectors to seize all smuggled goods wherever found, unless payment of the internal revenue tax of \$2.20 per proof gallon was evidenced by the presence of stamps on the packages, Mrs. Willebrandt, Assistant Attorney General, according to Mr. Crounse, overruled the bureau and ordered that such smuggled goods must be sold free of tax.

Dr. M. C. Whittaker, of U. S. Industrial Alcohol Co. and vice-president of the Manufacturing Chemists Association, appeared in opposition to the bill, objecting to the unrestricted powers which it would give to the Prohibition Unit. He contended that the Prohibition officials have shown absolute ignorance of the needs of industrial alcohol users and that the unit has been inefficient.

Board of Appeals Wanted

H. W. Bigelow, general counsel of the American Drug Manufacturers Association, the first witness on Thursday, opposed to bill in its present form, but stated that if proper amendments were made the bill would not be objectionable. He called the committee's particular attention to the fact that the manufacturers whom he represents are opposed to transferring the Narcotic Control Division from the Bureau of Internal Revenue to the new Prohibition Bureau. Mr. Bigelow urged a provision in the Board of Review to which an appeal could be taken. He offered amendments, providing for a Division of Industrial Alcohol and a Division of Non-Beverage Alcohol. In the Division of Industrial Alcohol the chief would be a graduate chemist and "a person of knowledge and experience in the manufacture of ethyl and denatured alcohol and the industrial uses of denatured alcohol". The chief of the second division would have technical training "and practical experience and a thorough knowledge of the use of ethyl alcohol and other liquors". Another amendment provided for a "Board of review consisting of three members appointed by the Secretary of the Treasury and the members of such Board shall not at any time have been connected with or employed by the Bureau of Prohibition or the present Prohibition Unit of the Bureau of Internal Revenue."

H. B. Thompson, general counsel of the Proprietary Association, spoke in detail of the appeals from decisions of the Prohibition Commissioner made to the Commissioner of Internal Revenue, and he also suggested a Board of Review or Appeals.

Says Prohibitionists Wear Blinders

L. H. Baekeland, of the American Chemical Society, told the committee that legitimate industry does not want to be hampered by further interference. The prohibitionists have blinders on, he said, and cannot separate violators of the prohibition act from legitimate alcohol users.

H. I. Pfeffer, vice president of United States Industrial Alcohol Co., read a statement prepared by M. C. Whittaker who is ill. The statement referred to the inefficiency and lack of understanding of the Prohibition

Unit and contended that a Board of Review would be helpful if the bill passes. Dr. Whittaker's paper told of the stipulation of the Commissioner of Prohibition and gave a number of examples where industry had been hurt by the orders of the Unit.

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, contended that there is very little leakage among the legitimate houses and gave it as his opinion that Civil Service would help the Prohibition Unit considerably. The legitimate manufacturers, he said, want to obey the law and he urged more co-operation and better understanding between industry and the Prohibition officials.

Brig. Gen. Amos A. Fries, chief of the Chemical Warfare Service of the Army, told the committee of the uses of alcohol during the World War. He said that his division is interested in any industry that would provide alcohol if the country needed it for national defense.

Others appearing before the committee included James P. McGovern, representing United States Industrial Alcohol Co., who spoke of the inception of the Cramton bill and took issue with Representative Cramton as to its authorship; Martin H. Itner, chairman of the alcohol committee of the American Chemical Society; R. G. Slaughter, of Tuberize Artificial Silk Co.; F. S. Rogers, president of the Flavoring Extract Manufacturers Association; H. S. Chatfield, of the National Paint, Oil & Varnish Association; L. W. Wallace, engineering counsel and J. D. Steele, of the Shoe Polish Manufacturers Association.

"The Cramton bill will help legitimate business and will shut off one source of bootleg liquor," said Wayne B. Wheeler, general counsel for the Anti-Saloon League, addressing the committee on Friday on behalf of the bill. "It will fix responsibility on one official," he continued, "uniting control of all sources of liquor supplies, it will make diversion of alcohol more difficult. When fraudulent permittees are eliminated the legitimate dealers will not face the present unfair competition. These law violators are the present cause of the scrutiny of liquor permits which irritates legitimate business."

Mr. Wheeler told the committee that he does not believe that there is as much liquor coming into the United States as is contended, and he said that with its new equipment the U. S. Coast Guard will be able to help the situation very materially. The Government also is making considerable headway in doing away with moonshiners.

If manufacturers are refused basic permits by the Prohibition Bureau Mr. Wheeler said they immediately go into the courts and get an order demanding that these permits be issued. This is one of the weak points of the law, he said.

Mr. Wheeler told the committee that unquestionably there is a large amount of alcohol being diverted each year and he agreed with Dr. Doran in his contention that it amounts to at least 6,000,000 gallons a year. Many, he said, think that the amount is much larger than this and he insisted that Dr. Doran's guess is a conservative one.

The Cramton bill, Mr. Wheeler contended, does not give the Prohibition Commissioner any additional authority over the legitimate industry and the bill will considerably lessen delay and eliminate from the trade the use of fraudulent permits. Mr. Wheeler contended that the bill is not fanatical as charged by some interests and he pointed out that it is not as strong in language as many of the State laws. The amendments which have been suggested, he said, are constructive, and he told the committee that if provision is to be made for a Board of Review, members should be appointed by the Secretary of the Treasury.

DRUG AND FINE CHEMICAL SECTION

JAPAN REVISES TARIFF ON DRUGS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Japan, Dec. 12.—A bill revising Japan's customs duties will be submitted to the next session of the Imperial Diet, according to a statement by the Finance Minister, Mr. Hamaguchi. A careful investigation is now being made by a special committee which plans to have the bill ready to present to the Diet in February. Drugs are among the groups that are to be revised.

According to Mr. Hamaguchi imported goods will be divided into duty-free articles and those subject to duty. Goods that are daily necessities in the life of the Japanese people or necessary raw materials will be duty-free and the rate on other articles is to be decided by the part it fills in the life of the nation. This statement is interpreted as meaning that the rates on drugs, chemicals, medicines will be generally lowered.

Among the 17 groups composing the tariff list the following will undergo radical change:

Group 2—Grains, flour, starches and seeds.

Group 4—Oils, fats, waxes and manufactures thereof.

Group 6—Drugs, medicines, chemicals, compounds or preparations thereof, and explosives.

Group 7—Dyes, pigments, coatings, and filling matters.

Group 14—Minerals and manufactures thereof.

Group 15—Metal manufactures.

Many drugs and chemicals, such as camphor, aromatic chemicals, and toilet preparations were included in Japan's "Luxury Tariff" of articles which were taxed 100 per cent after July 31, 1924. The purpose of the tariff was not protective, but to discourage the buying of "luxurious goods" which the officials thought were causing Japan's unfavorable trade balance. Now even the officials admit the failure of the "luxury tariff" since the importation of the articles has not decreased but actually shown a monthly increase since July. They now say the failure is due to the inclusion of many daily necessities in the schedule and the special committee is to draw up a new bill after making a careful study of the needs of the nation.

MARKING IMPORTED MERCHANDISE

(Continued from page 112)

the brush near the bristles, were held not to be legally marked, for the reason that the marking was neither legible nor in a conspicuous place.

In T.D. 40427, the Department holds as to linseed oil in barrels, that each barrel of linseed oil is an article. Thus, the Department is adhering to the position which I have previously discussed. This decision was rendered prior to the decision of the Court of Customs Appeals in the fig case, but whether the Treasury Department will adopt the Court's decision as to articles other than those specifically before the Court, cannot be stated. However, the Treasury Department's position is obviously incorrect, and undoubtedly the decision of the Court of Customs Appeals in each case brought before it, will be in favor of the protestant, and no importer should pay the penalty of ten per cent in such a case without having the proper protest filed in order that the case may be reviewed.

The Treasury Department has held, T.D. 39824, October 13th, 1923, that articles from the Philippine Islands are not imported articles within Section 304, and are, therefore, not subject to the marking requirement. Not only are articles coming into this country from the Philippine Islands, in the view of the Treasury Department, not subject to the general marking provision, Section 304, but also are not subject to any of the special marking provisions.

MABEY ON CHEMICAL FREIGHT RATES

(Continued from page 108)

wide choice of location, often avoiding congested centers where labor is scarce, and being able to locate by himself where he can hold his labor. The railroad ordinarily averages well. The community at large benefits by the spread of the industry both in the interior and at the ports.

(3) The group system, governed by average mileage considerations. This is the basis between the Eastern territories and the Central territory; its best recommendation is that it has lived, with very minor adjustments, for forty years or more, with no serious critics, and that now the railroads have no thought of disturbing it.

(4) The mileage system with consideration for groups, as applicable within Central territory. This was initiated by the railroads for this particular territory, with its very uniform conditions of traffic and operation, criss-crossed by railroads, and with no natural obstacles in operation. When considered in another large territory, it must be tested by determining whether conditions within that whole territory are like those of that for which the structure was erected.

(5) The absolute mileage system. Who does such a system benefit? The producer? No, it circumscribes his local market into a circle beyond which he meets the competitive influence of his competitors' freight rate, just as his competitor is handicapped from the other direction. It tends to decentralize industry. The railroad? If a small line, it shuts him out of competitive business unless he breaks down his own local rates. The consumer? No, it reduces the play of competition in his purchases.

It seems that, if absolute mileage is to be the controlling rate making factor for the future, then in simple justice, the carriers will now have to make their rates on every article, strictly according to the cost incurred by them in transporting that article. If the system of averaging the value of the service and of considering the measure of the rate the traffic will bear, is to be abandoned, together with the group principle of rate making (essentially an averaging of conditions), then it seems proper that each article transported bear its full and proper share of its cost of transportation. The Commission, in part of its Sixteenth Annual Report, described lucidly the underlying reasons for applying this rule of reason to rate making.

"Principles Underlying Freight Classifications.—

It was discovered early that the charges for transportation of different articles of freight could not be apportioned among such articles with regard alone to the cost of carriage. The basis of determining the charges, it was found, would confine to narrow limits the movement of different articles whose bulk or weight was large in comparison to their value, while heavier articles with less bulk would be made to pay disproportionately low rates.

"Under the system of apportioning the charges strictly to the cost, some kinds of commerce which have been very useful to the country, and have a tendency to bring different sections into more intimate business and social relations, could never have amounted to any considerable magnitude, and in some cases could not have existed at all, for the simple reason that the value at the place of delivery would not equal the purchase price with the transportation added. The traffic would thus be precluded, because the charge for carriage would be greater than it could bear. On the other hand, the rates for the carriage of articles which, with small bulk or weight, concentrated great value, would, on that system of making them, be absurdly low when com-

pared to the value of the articles, and perhaps not less so when the comparison was with the value of the service in transporting them.

"Accordingly, it was found not to be unjust to distribute the entire cost of service among all articles carried on a basis that gave greater consideration to the relative value of the service than to the cost. Such a method would be most beneficial to the country; it would enlarge commerce and extend communication, and would be better for the railroads because of the increased traffic which would be brought to them.

"The value of the article carried under this system would be the most important element in determining what freight charge it should bear. Other considerations, however, equally important, must not be overlooked when the freight classification is to be made. The classification as now constructed have for their foundation the following elements:

"The competitive element or the rates made necessary by competition. The volume of the business—that is, the tonnage movement. The direction in which the freight moves—that is, whether it moves in the direction in which most of the freight is transported or in the reverse direction in which empty cars are running. The value of the article. The bulk and weight. The degree of risk attending transportation. The facilities required for particular or special shipments."

Still another factor may well be considered if "harmony" is to hereafter control the making of rates, i.e., the intrinsic value of the commodity transported, compared with the freight charges assessed thereon. For instance, compare the value of a carload of coal with the freight charges thereon for any material haul—the coal is not worth the amount of freight. Compare, in our own industry, the movement of an average box car of soda ash, weighing 80,000 lbs., worth about \$1,040.00, New York to Chicago, on which at present freight charges would aggregate \$332.00, with the like movement of a similar car loaded with pianos, weight 12,000 lbs., value possibly as high as \$12,000, and freight charges, \$149.40. The railroads, in case of loss, must pay the full value. The disparity is self-evident.

Another system must also be considered, in view of legislation now pending in Congress, i.e., the strictly long-and-short haul system of rate making. Whom does such a system benefit? No one, excepting possibly the water carriers. The shipper who has no access to the water lines is at an irremediable disadvantage. The railroad, if its problem is that of meeting competing short line competition, would probably forego the business, as the breaking down of its intermediate rates would disrupt a whole rate structure; if the problem is water competition, the carrier loses also. But the carrier has this recourse; if the loss of business be such that it affects the welfare of all the carriers in a rate making territory, the law would likely enable such carriers to increase the tonnage carrying rates to the intermediate points, sufficiently to give them a fair chance to recoup their losses.

Does the receiver at the intermediate point benefit? Rarely; there are always two ways of curing a discriminatory rate, and one is by advancing the offending rate to the higher basis. If a carrier has a normal rate to one point, and a sub-normal rate to a point beyond, he cannot be forced to reduce the normal rate to the sub-normal basis. The man at the intermediate point may win, but his victory only leaves him in the position of the dog in the manger. In the meantime, his friend

(Continued on page 159)

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, pages 114-149

CODLIVER ADVANCES TO \$30 BBL. ON SPOT

Shipment Inside at \$29.50 bbls., and Scarce—Menthol Lower in Competition—Potash Permanganate Firm—Mercury Higher on Spot and London—Santonin Firm—Bromides Steady—Salicylates More Active—Fusel Oil Quiet—Chloral Hydrate Lower—Caffeine Alkaloid Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Caffeine Alkaloid, 10c lb. Glycerin, Dynamite, ¼c lb.
Codliver Oil, Norwegian, Mercury, \$3.00 flask.
\$1.50 bbl.

Declined
Camphor, Japanese, Slabs, ½c lb. Chloral Hydrate, U.S.P. 15c lb.
Menthol, 30c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$36	\$36	\$36	\$32	\$20	\$20
Acid Citric, Import .....	.46	.46	.46	.47	1.25	.45
Caffeine, Alkaloid	3.60	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.48	.90
Camphor, Jap., ref. ....	.65	.66½	.67	.83½	3.55	.41
Iodine, Resublimed	4.65	4.65	4.75	4.55	5.00	3.75
Menthol	12.25	12.75	13.75	12.00	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.48	.30	4.30	.80
Quinine Sulfate, Imp ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49½	.49½	.49½	.68	2.08	.50
Average	2.28	2.31	2.42	2.30	5.92	1.56

The advance in codliver oil was the outstanding feature in the fine chemical market during the week. The increased consumption has reduced spot stocks to a point where little difference is seen between spot values and shipment prices. The 1925 season has begun poorly, and the trade looks for a tight situation in codliver oil for the next three months. Any activity in fine chemicals brings out fresh advances, which reflect the smallness of spot stocks. Although firmness in imported material is more apparent than in domestic made goods, American manufacturers cannot see any weak spots with the exception of bismuth salts. The metal has declined to such a figure that makers of the salts feel that the bottom has been reached, and a reaction upward is more apt to occur than further recessions. Although menthol has declined slightly, importers think that future business is more likely to be transacted around present figures in view of the firm attitude of Japan, than around prices which prevailed early in the Fall. The goods, which were sold at \$8.50 per pound and up, have been disposed of in consuming quarters, and will, therefore, not cause any depression in the present market.

Acetanilid—Although price of 36c@38c lb. spot is still quoted by makers, some directions think that these prices will not prevail much longer. Contract business reported active. Resale quarters name 35c@36c lb.

Acid, Acetylsalicylic—Makers report better demand at 75c@85c lb. spot as to seller, and resale quarters name 72½c@75c lb. Stocks in consuming places reported low.

Acid, Benzoic—U.S.P. in small demand at 75c@80c lb. spot, and second hands at 70c@75c lb.

Acid, Citric—Market for imported steady at 45½c@46c lb. spot as to seller and quantity. Supplies are ample for present needs. Business between first hands

active. Europe reported buying in larger quantities. Domestic, 46c@47c lb.

Acid, Diethylbarbituric—Domestic still quoted at \$8.00 @ \$9.00 lb. spot as to quantity, and imported at \$4.25 @ \$4.50 lb. Stocks of the latter are so heavy that little is being imported at the moment.

Acid, Phosphoric—Makers name 15c@17c lb. spot for U.S.P. syrupy, and resale quarters 15c@16c lb.

Acid, Salicylic—In fair demand at 35c lb. spot by makers, and 32c@33c lb.

Acid, Tartaric—Imported firm at 27c@27½c lb. spot as to seller and quantity. Imports last week at New York were 510 kegs, but, as usual, these arrivals have already been sold. Of course, if goods are arriving in large quantities, the potential consuming demand is being filled, whether or not they are sold to arrive.

Alcohol—Market is firm with No. 1 specially denatured named at 57½c@59½c gal. spot in drums, and No. 5 completely denatured at 55½c@57½c gal. Reports are heard that a new producer is now turning out alcohol. With the increased consumption, this addition to production is not expected to have any effect on prices.

Alcohol, Butyl—Market firm at 26½c@28½c lb. works as to quantity. Imports last week at New York were 176 drums. The active demand for this item has caused an increase in importations.

Alolin—Firm at 88c@90c lb. spot as to quantity.

Amidopyrine—Imported firm at \$4.75 @ \$4.85 lb. spot and domestic quoted at \$4.60 @ \$4.75 lb.

Amyl Acetate—Quiet after the active demand which prevailed during the past two months. Quoted at \$3.25 @ \$3.50 gal. spot for technical, and \$3.90 @ \$4.20 gal. for refined material.

Bay Rum—In better demand at 95c@\$1.05 gal. spot for St. Thomas, and 90c@\$1.00 gal. for Porto Rican material.

Bismuth—Metal quiet at \$1.35 lb. spot, and subnitrate at \$2.15 lb. Some dealers believe the bottom has been reached.

Bromides—Imported ammonium quoted firm at 50c@53c lb. spot as to quantity; potassium, 42c@44c lb.; and sodium, 43c@45c lb. Reports are heard that supplies for shipment can only be bought from second hands in Germany, the makers have nothing to offer at the moment. Potassium is quoted for shipment at 30c lb. c.i.f. New York, and sodium at 35c lb. Bromine is quoted at 90c kilo c.i.f. New York by German makers. Domestic named firm at 54c lb. spot; and 48c lb. for either potassium or sodium.

Caffeine Alkaloid—The expected advance has occurred. Makers now quote \$3.60 @ \$3.80 lb. spot as to quantity, although one manufacturer has not as yet raised his price, but is expected to in a day or so. Resellers have also raised their price to \$3.60 @ \$3.70 lb.

Chloral Hydrate—U.S.P. material has been reduced by makers, and is now quoted at 60c@65c lb. spot as to quantity. This reduction has been the first change in over two years.

Camphor—Japanese slabs have declined to 66c@67c lb. spot as to seller and quantity owing to slow demand. Domestic named at 80c lb. in bulk.

Cocoa Butter—Fingers firm at 35c@37c lb. spot as to quantity, and bulk goods at 29c@30c lb.

Codliver Oil—Norwegian has advanced sharply and now quoted at \$30.00@\$32.00 bbl. spot with prompt shipment named at \$29.50 bbl. c.i.f. New York owing to scarcity on spot as well as for shipment. Sellers are looking forward to a larger volume of sales in 1925 than in 1924.

Formaldehyde—Makers are still naming 9c@9¼c lb. works, and carboys at 10¼c lb.

Fusel Oil—While goods are obtainable at \$2.80@\$3.00 gal., some sellers are holding at higher prices.

Glycerin—Dynamite has advanced to 18¼c lb. spot owing to better demand. Sellers appear to have the upper hand. C.P. is quoted firm at 19c@19¼c lb. spot in drums as to seller.

Menthol—Spot has declined to \$12.25@\$12.75 as to quantity owing to a small amount of competition for orders. However, with an increase in demand, sellers are expected to raise their prices owing to the small stocks on spot. One importer says that the lowest menthol quoted for shipment out of Japan during the time of the purchase of the oil by the manufacturers, was \$10.50 lb. c.i.f. New York. Usually when the oil is ready to be distilled, the menthol price is dropped considerably in order to buy the oil at cheap prices. He further states that with menthol at a rather high figure during the cutting period, menthol ought not to drop lower during the next three months than the cheapest shipment price which prevailed at the time of purchase of the oil. All of the goods sold last Summer for Jan-Mar. shipment have been disposed of to consumers, according to reports.

Mercury—Has advanced again and now quoted at \$83.00@\$85.00 flask as to seller with London quoting £14 5s per flask. While a number of importers are bullish on quicksilver, a few are inclined to believe that prices will decline rather than go higher.

Podophyllin—Easy at \$4.50@\$4.60 lb. spot by resale quaters, and \$5.00@\$5.25 lb. by makers.

Potassium Permanganate—Domestic is quoted higher at 15c@16c lb. freight equalized New York, and imported generally at 15c@16c lb., although for three ton orders 14¼c lb. is possible. The domestic manufacturer will also take orders at 14¼c lb., in fact, he will meet the imported price.

Santonin—Firm and active at \$150@\$157 lb. spot as to grade. High exchange rates is one of the causes of the firm market.

Thymol—Scarce and firm at \$5.00@\$5.25 lb. spot.

The Customs Service of the Treasury Department, Washington, D. C., has announced an allowance of drawback on mercurial preparations manufactured by the Mallinckrodt Chemical Works, St. Louis, with the use of imported mercury or with the use of primary products manufactured from imported mercury.

Dr. John Marshall, professor emeritus of chemistry and toxicology at the University of Pennsylvania, and one of the leading medical specialists of Philadelphia, is dead after a long illness. He was associated with the University for more than forty years.

The Navy Supply Officer, United States Navy Department, Whitehall Building, New York, has been authorized to ask bids and purchase 50,000 bottles of adrenalin chloride, 10 oz., each, as per M. & S. requisition 213.

D. G. LaSelle is now with Monsanto Chemical Works and is attached to the New York office.

JAPANESE MINT OIL HIGHER IN LONDON

Quotations Advanced on Sodium, Bromide, Creosote Oil, Carbolic Acid and Mercury—Market Easier for Japanese Camphor, Menthol, Phenacetin, Balsam Tolu and Codliver Oil—Castor Oil, Cocoa Butter and Shellac Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Jan. 14.—Trading in crude drugs and fine chemicals is fair, Japanese mint oil for forward delivery has been advanced. Higher prices are announced on sodium bromide, creosote oil, carbolic acid, lime juice and mercury.

The market is firmer for benzoic acid and pepper. Prices are easier for Japanese camphor, menthol, Japanese mint oil on spot, phenacetin, balsam tolu and codliver oil.

Quotations are lower for castor oil, cocoa butter and shellac.

VANILLIN IN GREATER CONSUMPTION

Unreasonably high prices for vanilla beans, which have prevailed for some time, have resulted in turning attention to the only alternative, vanillin, and the use of this product has expanded in consequence, according to W. G. Ungerer, of Ungerer & Co., New York, essential oil and aromatic chemical importers, who says: "The superior economy and equal effectiveness of vanillin is generally recognized today and unless vanilla beans drop to very low prices, doubt exists if they will ever regain any substantial portion of their lost markets. Even those who have been prejudiced in favor of the beans for years are coming to the opinion that equal results can be obtained by the intelligent use of vanillin and at vastly lower costs."

Presentation of the Perkin Medal to Hugh Kelsea Moore by the Society of Chemical Industry, American Section, will be made at the Chemist's Club, New York, on the evening of Jan. 16. The program, following the usual informal dinner, includes introductory remarks by Harlan S. Miner, "Impressions" by David Wesson, "Attainments" by John C. Olsen, and the presentation by Charles F. Chandler followed by the acceptance by Mr. Moore.

A bill, requiring that drugs, proprietary and patent medicines, chemicals, insecticides and fungicides, be sold only by registered pharmacists, or licensed dealers conducting places of business two miles from druggists, and under very restrictive conditions, is to be introduced into the North Dakota Legislature which convened Jan. 6. It is understood that a similar bill will be introduced into the legislatures of other states.

The Maryland section of the American Chemical Society held its January meeting on Jan. 9, in the new chemistry building of Johns Hopkins University, at Homewood. Among the speakers were Dr. F. O. Rice, professor of organic chemistry at Hopkins, and Carl Haner, Jr., general superintendent of United States Industrial Chemical Co., Baltimore.

The annual banquet of the Squibb Go-Getters Club, held at the Hotel Commodore, Jan. 3, proved to be a special tribute to Theodore Weicker, vice-president of the house of Squibb, who has been associated with the company for twenty years. He was presented with a hundred piece rock crystal service set.

A. G. Cailler, New York, menthol importer, will leave the end of this month for a two months' trip through Southern Europe. He expects to obtain some first hand information in regard to the Messina essences.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 150-155

BUCHU LEAVES ADVANCE TO 80c LB. SPOT

Cheap Outside Lots Greatly Reduced—Althea Root, Cuts, Higher—Decorticated Cardamoms Up Sharply—Manna Firmer—Cloves Lower—Lycopodium Firm and Active—Ergot Quiet Though Firm—Insect Powder in Competition—Valerian Root Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Althea Root, Cuts, 3c lb.	Cardamom Seed, Decorticated, 25c lb.	Valerian Root, Belgian, 1c lb.	Fumigating Pastiles, Red, 1c lb.
Areca Nuts, 2c lb.	Lupulin, 25c lb.	Cloves, Zanzibar 1/4c lb.	
Asafetida, U.S.P., Powd., 2c lb.	Manna, Large, 3c lb.		
Balsams, Copaiba, S.A., 1c lb.	Small, 3c lb.		
Para, 1c lb.			
Buchu Leaves, 3c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$.33	\$.33	\$.35	\$.30	\$.90	\$.42
Buchu Leaves, Short ....	.80	.76	.76	.88	4.00	.85
Cantharides, Russian ....	.85	.85	.85	1.10	9.00	2.10
Cocculus Indicus ....	.12	.12	.03	.02 1/2	.85	.03
Ergot, Spanish ....	.60	.60	.60	.31	4.50	.54
Insect Powder, pure ....	.45	.44	.44	.67	1.00	.28
Ipecac, Cartagena, Powd..	2.35	2.35	2.50	2.35	4.50	1.35
Nux Vomica ....	.05	.05	.05	.05	1.40	.07
Opium gum	12.00	12.00	12.00	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.36	.37	.37	.34	1.75	.15
Tragacanth, No. 1, ribbon.	1.15	1.15	1.15	1.35	6.00	1.30
Wild Cherry Bk., thin nat.	.08 1/2	.08 1/2	.08 1/2	.14	.21	.07
Average	1.58	1.58	1.59	1.31	5.28	1.60

While import business has been more or less restricted owing to high cost of botanicals from abroad, demand on spot has been sufficient to cause dealers to feel that consuming interest will be maintained for some time to come. An increase in the usual Monday orders was noted the first of the week. Although buying was not especially for round lots, the total volume was large enough to result in a number of scarcities. Dealers are quoting on a replacement basis, instead of attempting to cut prices to attract business. Some houses may be better supplied on certain items, and are holding their prices down to a minimum, but as soon as these stocks are taken off the market, prices will naturally move up in line with replacements. Buchu leaves are generally quoted at 80c lb. spot, but one seller is still naming 76c lb. Reports are heard that his stocks will not last out the week. Activity in cardamom seeds has resulted in sharply higher prices. Lycopodium is quoted at 75c lb. c.i.f. New York for shipment.

Aconite Root—While spot prices of 33c@35c lb. remain unchanged, shipment is reported firmer from a number of directions. Buying has been small, however. Leaves, 10c@12c lb.

Agar Agar—Stocks on spot scarce, especially No. 1, which is quoted at \$1.55@1.60 lb., and No. 3, at \$1.35 lb. Little is offered from Japan.

Aletris Root—Market unchanged at 42c@44c lb. spot as to quantity.

Alkanet Root—Firm and active at 8c@9c lb. spot.

Aloes—Curacao steady at 10 1/2c@11c lb. spot as to quantity, and as high as 15c lb. in a jobbing way. Stocks on spot reported not in excess of 1,500 cases. Practically all of last year's crop has now come out of the Islands. Cape, 8 1/2c@9c lb.

Althea Root—Cuts have advanced to 45c@47c lb. spot as to seller owing to higher replacement values, which are said to be equal to current levels. Stocks have been materially reduced. Whole quoted at 11c@12c lb.

Anise Seed—Spanish firm at 15c@15 1/2c lb. spot as to quantity. Star named at 11c@11 1/2c lb.

Arabic Gum—Amber sorts generally quoted at 13c@13 1/2c lb. spot as to quantity, although one house is doing 12 3/4c lb.

Areca Nuts—Have advanced to 23c@24c lb. spot for whole nuts, and 25c@26c lb. for powdered material. Little export demand at the moment. Stocks of the whole, however, are scarce.

Arnica Flowers—Firm at 10c@11c lb. spot, and root at 25c@30c lb.

Asafetida—One seller is turning his whole goods into powdered material. Whole quoted firm at 23c@25c lb., and powdered higher at 40c@42c lb.

Balsams—Copaiba, Para, higher at 43c@45c lb. spot in spite of the importation of 160 cases last week at New York. These stocks are reported already sold. South American also firmer at 46c@48c lb. For other balsams see "Essential Oil Market."

Belladonna Leaves—Price of 27c@28c lb. spot is inside. Root named at 14c@15c lb.

Blueflag Root—Demand small in spite of the firm prices of 30c@32c lb. spot.

Black Indian Wax—Quiet at 40c@42c lb. spot.

Buchu Leaves—Generally quoted higher at 80c@83c lb. spot in bales owing to higher replacements. The cheap lots have been practically cleaned out of the market. Based on import costs now, goods ought to sell for 85c lb. on spot.

Calabar Beans—Scarce at 14c lb. spot.

Candelila Wax—Active at 32c@34c lb. spot.

Caraway Seed—Dutch reported in active consuming demand at 10 1/2c@10 3/4c lb. spot, and African at 10c@10 1/4c lb. Holland is about 1/2c lb. higher than spot.

Cardamom Seed—Decorticated has advanced sharply, and now quoted at \$2.25@2.35 lb. spot owing to scarcity. Demand was especially active the last of the week, and has resulted in nearly a bare market for this quality. Bleached ranges from \$2.00 lb. up to \$2.40 lb.

Cascara Amarga—Steady at \$1.25@1.50 lb. spot as to quantity. So-called at 50c@52c lb.

Cascara Sagrada—Spot market quiet at 14 1/2c@15c lb. with the Coast named at 13c lb. f.o.b. and up.

Catnip Herb—In small demand at 25c@29c lb. spot as to quality and seller.

Celery Seed—Market firm though quiet at 30c@30 1/2c lb. spot.

Chamomile Flowers—For good quality 20c lb. spot is quoted, although goods are still obtainable for less. The crop last year was heavy, but the quality was quite poor. Hungarian, 6c@6 1/2c lb.

Cinchona Bark—Active for broken at 25c@27c lb. spot, and red quills at 60c@70c lb.

Cloves—Zanzibar easier at 29 1/2c@30c lb. spot owing to smaller demand.

Colombo Root—Quiet and easy at 3c@3 1/2c lb. spot.

Condurango Bark—Importations have been so heavy of late that the spot market has been depressed. Quoted at 12c@14c lb.

Cowhage—Steady at 55c oz. spot.
Damiana Leaves—Scarce at 40c@45c lb. spot as to quantity.

Dandelion Root—Importers are generally firm at 24c @25c lb. spot as to quantity.

Elm Bark—Select firm at 27c@28c lb. spot, and grinding at 15c@16c lb.

Ergot—While price is firm at 60c@65c lb. spot, demand has been small.

Fish Berries—Supplies obtainable at 8½c@9c lb. spot as to quantity. Recent importations have been heavy, and prices have eased off in proportion.

Fumigating Pastilles—Red lower at 16c@17c lb. spot, and black nominal at 16c@17c lb.

Golden Seal Root—Export demand active. Quoted on spot at \$3.50@\$3.70 lb. spot for whole, and \$4.00@ \$4.10 lb. for powdered material.

Henbane Leaves—U.S.P. quoted steady at 28c@35c lb. spot as to test and seller.

Insect Powder—Quoted on spot at 45c@47c lb. as to seller and quantity. Reports are heard that Dalmatia is not offering for shipment at the moment. Japan is offering, however, but importers are not inclined to buy at present. A quotation of 42c lb. spot was heard, but could not be confirmed.

Ipecac Root—Rio scarce at \$2.15@\$2.25 lb. spot for whole, and \$2.35@\$2.45 lb. for powdered material. Cartagena held at \$2.15 and \$2.35 lb., respectively, for whole and powdered.

Juniper Berries—Sellers name 5½c@8c lb. spot as to quality.

Larkspur Seed—Firm and closely held at \$3.00@\$3.50 lb. spot.

Lobelia Herb—Scarce at 40c@42c lb. spot. Demand, however, is quiet at the moment.

Lupulin—Higher at \$1.55@\$1.60 lb. spot as to quantity.

Lycopodium—Spot named scarce at 95c@\$1.10 lb. as to seller with shipment quoted at 75c lb. c.i.f. New York. One importer has an offer at 86c lb. c.i.f.

Manna Leaves—Large flakes higher at 82c@85c lb. spot, and small flakes at 45c@48c lb. owing to scarcity.

Marjoram Leaves—French scarce at 40c@45c lb. spot, and German at 29c@31c lb.

Orris Root—Florentine steady at 8c@9c lb. for whole, and 11c@12c lb. for powdered material.

Rhubarb Root—Steady at 36c@38c lb. spot for whole, and 42c@44c lb. for powdered goods. Imports last week at New York were 72 bales.

Valerian Root—Belgian higher at 23c@30c lb. spot as to seller owing to scarcity.

HUISKING HEADS DRUG SECTION

Drug and Chemical Section of the New York Board of Trade and Transportation, at its thirty-sixth annual meeting, held Jan. 7 at the Drug and Chemical Club, New York, elected the following officers: Chairman, Charles L. Huisking, of Charles L. Huisking, Inc.; vice-chairman, C. McK. Garrison, of Merck & Co.; treasurer, A. Hammann, of Roessler & Hasslacher; secretary, William F. McConnell. Edward Plaut, of Lehn & Fink, retiring chairman, was elected to represent the section as director on the Board of Trade and Transportation; C. C. Speiden, T. W. Day, Carroll Dunham Smith, A. Bakst and S. W. Frazer were elected to the executive committee.

Irving McKesson reported that the tares section had been adopted as standard by New York State Department of Farms and Markets.

Exportation of gum copal from Sierra Leone has been prohibited from Jan. 1 for three years, according to an order of Governor in Council.

Drug Trade Notes

Whiffen & Sons, manufacturing chemists, have moved their Battersea offices to Carnworth Road, Fulham, London, S.W. 6.

Dr. C. J. Herzog, of H. A. Metz Laboratories, Brooklyn, makers of medicinal chemicals, left last week for an eight weeks' tour of Europe.

Drugs exported during the first eleven months of 1924 which recorded advances were herbs, leaves, medicinal and pharmaceutical preparations.

Frederick August Ahrendt, for many years a chemist for United Drug Co., Boston, died Jan. 4, at Symmes Arlington Hospital, Arlington, Mass. at the age of 59 years.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will take bids until Jan. 27, for alcohol for eastern and western yards, as per Schedule 3150.

Marion Ward, one of the founders of Ward Bros. & Co., wholesale drug house, later affiliated with Mooney-Mueller-Ward Co., died at his home in Indianapolis on Jan. 8.

F. W. Fink, one of the founders of Lehn & Fink, died of heart disease at Fulda, Germany, whither he had gone to visit relatives. He was 79 years of age at the time of his death.

E. S. Goulston, of Boston, a director in the Boston Molasses Co., and the Everett Distilling Co., died at his home last week after an illness of two weeks. He was in his 57th year.

Fifty-two "opposition letters" against the Cramton bill signed by as many members of Chicago Paint Club have been forwarded to Senator Borah, chairman of the Senate Judiciary Committee.

Dr. Daniel C. Mangan, for 32 years professor of chemistry and physics in Brooklyn College of Pharmacy, died at his home in Brooklyn on Jan. 6, of lobar pneumonia at the age of 59 years.

United Drug Co., has notified the Massachusetts Commissioner of Corporations that it will issue 180,817 shares of the 200,000 authorized in June 1921 for cash. The remainder will be used to exchange for Class A common stock of Liggett's International, Ltd.

Horatio S. Rubens, president U. S. Industrial Alcohol Co., will make a comprehensive study of conditions in Cuba giving particular attention to the sugar situation. It is thought that this first hand study of the raw material situation will determine the date for Industrial Alcohol's resumption of dividend payments.

St. Louis drug and chemical sales were larger during the past month than for the same period last year. The increase over a year ago was distributed generally through the line, but affected particularly heavy chemicals, sales of which have been augmented by demands from the metal industries.

Opium addiction in Japan is firmly held in check, according to a pamphlet issued at Geneva by Sagataro Kaku, former Civil Governor of Formosa and present leader of the Japanese delegation at the International Opium Conference. He says that the use of opium will probably come to an end with the death of the present addicts as none is allowed to the young.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 155, 156; Aromatic Chemicals, 156

OIL LEMON FIRMLY HELD AT 97½c lb.

April Earliest Unsold Shipping Position—Spot Stocks Reduced—Oil Cassia in Good Supply—Oil Peppermint Advances Again—Oil Sandalwood, East Indian, Sharply Higher—Oil Wormseed Firm—Oil Orange Higher—Balsams Firmer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Cardamom, \$3.00 lb.	Oil Sandalwood, E. Ind., 15c lb.
Oil Juniper Berries, 5s lb.	Oil Wormseed, 10c lb.
Oil Linaloe, Mexican, 25c lb.	Geraniol, Dom., 25c lb.
Oil Orange, Italian, 5c lb.	Balsams, Copaiba, Para, 1c lb.
Redistilled, 7½c lb.	South American, 1c lb.
Oil Peppermint, Nat'l, 75c lb.	
Declined	
Oil Cassia, Redistilled, 5c lb.	Oil Mustard, Artif., 15c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.45	\$3.45	\$3.75	\$2.75	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.74	.74	.75	.90	1.02	.60
Oil Cloves	2.00	2.00	2.10	2.50	3.70	1.40
Oil Lemon, Italian .....	.97½	.97½	.98	.72	1.70	2.00
Oil Peppermint, Nat.	11.00	10.00	0.50	3.25	9.00	2.25
Oil Sandalwood, E. I.	7.00	6.85	6.90	6.75	14.00	5.25
Oil Sassafras Artif. ....	.35	.35	.35	.38	1.00	.25
Benzaldehyde, U.S.P.	1.50	1.50	1.40	1.40	5.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cana. ....	.47	.47	.47	.47	1.00	.90
Vanillin .....	.40½	.40½	.40½	.53	.95	.20
Average	2.84	2.74	2.73	2.20	6.83	2.05

The movement of essential oils into consuming channels during the week has been in fair volume, but the larger users have stayed out of the market for the past two weeks in the hope that they could replenish stocks at lower prices. Sellers, on the other hand, believe that a lower average market is not possible at the present time owing to the limited stocks on spot. Buyers have been looking for a time when they could purchase on a downward trend, but with prices moving upward almost daily, they have been forced in take part of their requirements at high levels. With the high prices that rule in a few of the items, consumers who have contracts and do not need the goods now have sold out their position at a good profit. Some active buying from Canada has been reported, while a fair number of inquiries have been received from the Middle-West. Any attempt of consumers to beat down prices has been met by stiff opposition from first hands. Some fair business has been reported between dealers. Contract orders have also been active, especially for later shipment from abroad.

Essential Oils

Oil Almond—Supplies of sweet scarce on spot and little is offered for shipment. Quoted at 85c@90c lb. spot. Bitter named at \$3.15 lb., and f.p.a. at \$3.25 lb.

Oil Angelica Root—Demand routine only at \$28.00@ \$30.00 lb. spot.

Oil Anise—While price of 60c@62c lb. spot for U.S.P. and 55c@57c lb. for technical are still unchanged, the market is firm and an advance is entirely possible. Further reduction of stocks of high priced oil is reported.

Oil Bay—Market quiet with holders naming \$2.20@ \$2.35 lb. spot as to quantity.

Oil Bergamot—Coppers have been in fair demand at \$3.45@ \$4.00 lb. spot as to quality and seller. Primary

DRUG AND FINE CHEMICAL SECTION

market is quiet, and little interest is being shown in forward deliveries. Europe reported taking fair quantities.

Oil Bois de Rose—In small supply at \$4.75@ \$5.00 lb. spot as to quantity.

Oil Calamus—Sales being made between dealers only. Quoted at \$4.20@ \$4.65 lb.

Oil Camphor—Japanese quoted steady at 14c@14½c lb. spot in cases, and 13½c@14c lb. in drums. Imports last week at New York from Shanghai were 93 drums.

Oil Caraway—While supplies are still quoted at \$2.75 @ \$2.85 lb., some holders want as high as \$3.00 lb. Buying, however, is small, and with a continuation of the absence of interest the market is not expected to react upward.

Oil Cardamom—Has advanced and now quoted at \$36.00@ \$38.00 lb. spot as to quantity owing to firmer seed prices.

Oil Carvol—Quiet at \$9.50@ \$10.50 lb. spot as to quantity.

Oil Cassia—Redistilled has declined, and now quoted at \$2.60@ \$2.70 lb. spot as to quantity, and technical at \$2.15@ \$2.25 lb. Supplies have been arriving in larger quantities with the result that a slightly weaker market has been noted. Imports last week at New York were 30 drums. Shipment prices holding steady.

Oil Cedar Wood—Nothing offered for shipment until February. Supplies on spot estimated below 1,000 pounds, but one house thinks that this figure is too conservative. Arrivals next month offered at 80c lb. Spot goods held at 80c@85c lb.

Oil Citronella—Ceylon is in steady demand at 74c@ 81c lb. spot as to seller in drums, and 77c@84c lb. in tins. Primary market firm owing to advance in exchange rates. Any movement of goods into consuming quarters will reflect directly on current prices. Trading between dealers active. Java reported up to stay. Business on spot restricted owing to scarcity of goods. Considerable Guatemala oil has been sold in New York, since Java has become so scarce. Java quoted nominally at \$1.50 lb.

Oil Cloves—Firm and active at \$2.00@ \$2.10 lb. spot for cans, and \$2.10@ \$2.20 lb. for bottles.

Oil Erigeron—Country reported firm and inside at \$3.50 lb., and spot named at \$3.75 lb. and up.

Oil Eucalyptus—Spot quoted steady at 57c@59c lb. in drums, and 59c@61c lb. in cases. Replacements about equal to these figures.

Oil Juniper Berries—Have advanced to \$1.90@ \$2.00 lb. spot owing firmer ideas of sellers. Sales of goods afloat have been made \$1.50 c.i.f. New York.

Oil Lemon—Italian firm at 97½c@ \$1.15 lb. spot as to seller and quantity with nothing to offer before April shipment, and this is named at 69c@71c lb. c.i.f. New York as to quantity. American, 85c@90c lb.

Oil Linaloe—Mexican has advanced and now quoted at \$3.85@ \$4.10 lb. spot owing to scarcity.

Oil Mustard—Artificial has declined to \$2.85@ \$3.00 lb. spot as to quantity due to small demand and accumulation of spot stocks.

Oil Orange—Italian higher at \$2.85@ \$3.10 lb. spot

with shipment named at \$2.20 lb. c.i.f. New York. Buying has been active, thereby reducing spot stocks. West Indian, \$2.70@2.80 lb., and American at \$2.75@2.80 lb.

Oil Peppermint—Natural has advanced sharply again, and now quoted at \$11.00@11.25 lb. spot, and redistilled at \$11.50@11.75 lb. Supplies reported near exhaustion in the country. In similar cases, however, country operators have been able to furnish supplies, providing the price was attractive.

Oil Sandalwood—Higher at \$7.00@7.25 lb. spot owing to active demand and firmer replacement costs. Reports are heard that the Department of Agriculture has stopped the sale of the Australian product, pending disposition of all spot goods by the Department. The Australian oil is not a U.S.P. product.

Oil Wormseed—Higher on spot at \$3.25@3.35 lb. in spite of the larger 1924 crop, compared with 1923. The production during 1923 was far below normal, however.

Balsams

Peru—Slightly higher at \$2.00@2.10 lb. spot as to quantity. Spot stocks becoming reduced.

Tolu—Has advanced to \$1.70@1.80 lb. spot.

Vanilla Beans

Bourbon—Steady at \$9.00@10.00 lb. spot as to quantity.

Mexican—In active demand at \$11.00@12.00 lb. spot for whole, and \$9.00@10.00 lb. for cuts.

Aromatic Chemicals

Geraniol—Domestic firmer owing to higher raw materials, and now quoted at \$4.00@4.25 lb. spot, and imported at \$4.50@5.00 lb.

Coumarin—In active demand at \$3.25@3.45 lb. spot by makers, and \$3.25@3.30 lb. from resale quarters.

Ethyl Butyrate—Firm and active at \$2.25@2.50 lb. spot.

Methyl Acetophenone—Slightly lower at \$3.25@3.40 lb. spot as to quantity.

Terpineol—Quoted on spot at 42c@44c lb. in drums, and 47c@49c lb. in cans. Business has been put through in the Middle-West as low as 38c lb. Competition keen among makers.

Vanillin—In active demand at 49½c@50c oz. spot as to quantity.

YLANG YLANG, BOURBON, CABLED HIGHER

Bourbon oil, ylang ylang, is quoted for shipment at \$8.50 to \$9.50 per pound for first quality, according to cables received in New York on Tuesday. Offers are somewhat limited and no one holder in France has more than 30 kilos of oil to place on the market. First hands are buying the oil readily, and importers are looking for an upward swing in the spot market as soon as stocks in New York have moved into consuming channels. The crop is reported insufficient, and coupled with limited amount of spot stocks, higher prices seem possible. Reports from London state that supplies there are small.

Leon M. Villalon, in charge of the essential oil and aromatic chemical export business of Ungerer & Co. in South and Central America, Mexico and Cuba, has just returned to New York after some time spent in Cuban cities. He reports a regular, though slow, recovery in general business in Cuba despite some lingering effects of the financial crisis of a few years ago. Ungerer & Co. report that Spanish American countries offer a promising field for high grade perfume materials, but that the business in cheap synthetic products goes mostly to Germany.

AUSTRALIAN OIL SANDALWOOD HELD UP

Recent heavy importations of so-called oil sandalwood, Australian, have been brought to the attention of the Department of Agriculture as the oil is not officially recognized as oil sandalwood, although the arrivals were entered through the Customs as a U.S.P. product. The Department of Commerce has notified all importers of the Australian oil that goods entered recently must not be disposed of, but must be held at the disposition of the Department of Agriculture.

Stocks of the Australian material have been reported heavy, and if the Department rules that these goods can be sold only under its correct name, and subject to affidavit that the oil is being used for technical purposes only, the trade believes that the Australian product will become a "drug" on the market. The Australian oil referred to as "sandalwood" is distilled from the wood of "Fusamus Spicatus," while the only oil recognized as genuine by the U.S.P. and the B.P. is the East Indian oil, which is distilled from the wood of "Santalum Album." The Australian oil has been selling freely at \$5 per pound, compared with \$7.20 per pound for the East Indian material, with the possibility of higher prices for the East Indian owing to scarcity.

Colgate No. 2 bowling team defeated the Drug Trade Seniors two games out of three on Jan. 5 in the Wholesale Drug Trade Bowling Association Tournament at Colgate's Alleys, Jersey City. Plasecki and Norton, of the Colgate team, and Forman and Hoering, of the Seniors, rolled clean games. During the same evening, Colgate No. 1 team won two out of three games from Biddle Purchasing Co.'s team. Kellogg, of Colgate No. 1 team, and Howe, of Biddle Purchasing Co., rolled clean games.

Vivaudou, Inc., is permitted to use the names "Narcisse Noire", "Narcisse Jaune" and "Narcisse de Chine" by a decision of the Circuit Court of Appeals in reversing the decision of the U. S. District Court, New York. The original decision was in favor of Caron Corp., restraining Vivaudou from the use of the names as registered trademarks. The decision of the Court of Appeals says Caron Corp. has no right to a monopoly of the names of flowers.

Distillation of oil wormseed during 1924 season is estimated at 61,000 to 63,000 pounds, compared with 37,000 pounds in 1923, according to a survey of the industry by several associations in Carroll County, Md. The increase is due principally to the larger acreage devoted to wormseed plantations, and not so much to the yield per acre. A number of new distillers have been listed.

Exports of American essential oils for the first eleven months of 1924 amounted to \$1,548,000 (1,212,000 pounds), an advance of 70 per cent over the corresponding 1923 period. England is one of the leading factors in this trade, purchasing large amounts of peppermint oil.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (43095) from a company at Lahore, India, for heavy chemicals, glass products for chemical use, perfumery and oils, chemists' and druggists' supplies.

Houbigant, Inc., will appear before the Federal Trade Commission on Feb. 4, to show reason why the commission should not issue an order restraining the perfumery company from maintaining prices as charged in a complaint filed last week.

Ungerer & Co. call the attention of the trade to the appropriation of trade-mark names, registered by Ungerer & Co., by firms who vary the spelling slightly in the case of Sapodor and other products.

MEYER BROS. BUY FINLAY, DICKS & CO.

St. Louis Drug Company Said to Have Paid About \$300,000 for New Orleans House—F. A. Dicks Retires

(Special to DRUG & CHEMICAL MARKETS)

St. Louis, Jan. 14.—Meyer Brothers Drug Co., St. Louis, has acquired the firm of Finlay, Dicks & Co., New Orleans, on Jan. 6, with all its assets and goodwill, thereby obtaining a central distributing point for southern trade and export to South and Central American countries. The sale was made on a cash basis with conditions satisfactory to both parties.

The deal was concluded by Carl F. G. Meyer, president, and John C. Vaughan, treasurer of Meyer Bros. No changes will be made in the personnel of Finlay, Dicks & Co., except that Stanley B. Simpson, second vice-president of Meyer Bros., will be temporarily in charge of operations at New Orleans. F. A. Dicks, president of Finlay, Dicks & Co., and his brother, D. B. Dicks, are retiring from the drug trade.

Price Paid Finlay, Dicks & Co.

New Orleans, Jan. 14.—Meyer Brothers Drug Co. is said to have paid \$300,000 for Finlay, Dicks & Co. John C. Vaughan, treasurer, told the correspondent of DRUG & CHEMICAL MARKETS that the local establishment as it now stands will not be large enough to house the plant which his company intends to operate in this city in the near future. All former employees of Finlay, Dicks & Co. will be retained and the number will be augmented.

"We made a survey of the country," Mr. Vaughan said, "and decided upon New Orleans as the most logical location for our first branch plant. We have noticed the increasing business prosperity in your city and plan to grow with it. New Orleans will afford us an excellent export point and is already useful to us for imports. We will transfer our export service to New Orleans, although superintending it from the St. Louis office."

New York and Pennsylvania and New England states excepted, the Meyer Brothers Drug Co. maintains establishments in every state in the union. The establishment in this city will be its only branch plant.

In making the announcement of the sale of his property, Mr. Dicks declared that the transfer of his business had been actuated by his desire to retire from active business life. Mr. Dicks organized the local wholesale drug company thirty years ago and developed it until it became the leading drug distributor in the State. The price paid does not include the site upon which the business is located.

United Drug Co. has filed an amended certificate of capitalization with the Massachusetts Commissioner of Corporations, under which formal notice is given of the action of the directors in authorizing \$18,081,700 of common stock, bringing the total up to \$55,000,000. This does not constitute new financing as it is not proposed to issue this stock for cash. The stock was originally limited to \$20,000,000, of which \$15,000,000 was reserved for conversion of the 8 per cent bonds due in 1941. The bonds were retired on Dec. 15 last, so that this stock is no longer required for conversion purposes. It is not the intention of the directors to issue this stock now or in the immediate future, but it was deemed necessary to have on file with the proper authorities, application giving directors authorization to issue this stock for purposes other than exchange for Liggett's International or conversion.

DRUG AND FINE CHEMICAL SECTION

CHEMISTS DISCUSS ALCOHOL FOR MOTORS

(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., Jan. 14.—A general discussion of alcohol featured a gathering of 200 chemists from Massachusetts, Rhode Island and Connecticut, at the inter-sectional meeting of the American Chemical Society on Saturday at Boston University. The conference opened in the afternoon with a discussion of alcohol as a possible substitute for gasoline. A paper read by Hervey J. Skinner, president of Skinner, Sherman & Esselen, Inc., of Boston, entitled "Alcohol as a Motor Fuel" was an interesting feature of the gathering.

In a discussion of the "Pharmacology of Alcohol and Associated Products," Dr. Reid Hunt of Harvard Medical School stated that there is little accurate information as to just what are the poisonous properties of bootleg liquor. He said that in his belief, which is based on experiments with animals, the bad results from drinking bootleg liquor are due to the quantity of it consumed rather than from its quality. Other speakers were B. R. Tunison of U. S. Industrial Chemical Co., New York, George Claingaert, of the University of Brussels, now research associate of the Department of Chemical Engineering at Massachusetts Institute of Technology, and Miss K. M. Ware of the Massachusetts Department of Health.

W. L. Crounse, Washington representative of the National Wholesale Druggists Association, charges that the Prohibition Unit is encroaching on the functions of the Internal Revenue Bureau, of which it is a part. He states that secret office rules exist whereby applications for industrial alcohol are referred to local prohibition directors after action by Internal Revenue Bureau officials. He declares that there is a lack of sympathy on the part of many prohibition officials, pointing out several instances where apparently arbitrary refusals were made merely to cut down the withdrawals of whiskey and grain alcohol, accompanied by the statement: "We have to treat you manufacturers just exactly as we treat the bootleggers."

L. E. Burton, of Sullivan, Ind., has been appointed drug and pharmaceutical expert of the Chemical Division of the Department of Commerce. Mr. Burton is a graduate pharmacist and specialized at George Washington University, in chemistry and pharmacy. He subsequently spent a year and a half in the Naval Medical School. He will take up his duties on Jan. 19.

The 29th Chemists Exhibition, organized by the "British & Colonial Pharmacist," will be held in the Holland Park Hotel, London, W., from May 4 to 8, 1925. All members of the drug and chemical trades who are in England during the week will receive a cordial welcome on presentation of their professional or business cards.

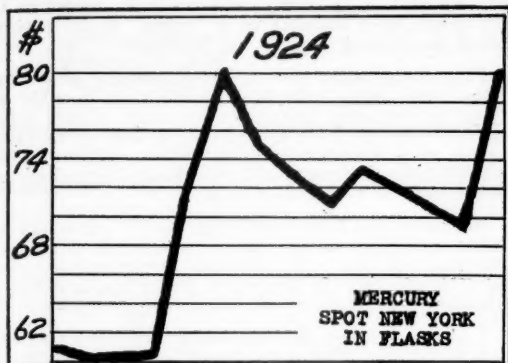
James F. Couch has been elected president of the Washington, D. C., Chapter of the American Institute of Chemists. Other officers elected include Doctor Harrison G. Patten, vice-president; J. N. Taylor, secretary, and Dr. H. L. Lourie, treasurer. Prof. Charles E. Munroe was elected honorary president of the chapter.

Harry F. Guenther, treasurer of the Northern Ohio Druggists Association, was the guest of honor at a banquet in Cleveland given by members of the association to celebrate his election as treasurer of the National Association of Retail Druggists.

The fine organic and medicinal chemical section of the Synthetic Organic Chemical Manufacturers' Association met at a luncheon session at Hotel Commodore, New York, on Jan. 13.

QUICKSILVER SCARCE IN ALL MARKETS

When mercury touched \$60 per flask, about a year ago, first hand dealers predicted that buying would take place that would reduce stocks and cause the price to advance sharply, and some even said that \$100 mercury was a possibility. The market advanced slightly, but the consuming demand was absent, and quicksilver never passed \$83 on this movement. As the Fall season was entered, and production was started again, sellers thought that prices would recede to a point where consumers would buy. With stocks now scarce in practice



ally all the markets of the world, consumers are buying in an attempt to cover themselves for Winter requirements. The same situation as last Spring confronts the buyer, and from the sellers' point of view, much higher prices are possible.

Supplies on spot are estimated inside of 200 flasks, and stocks in London are well controlled at £14 5s per flask. Spain is quoting £13 15s ex-mine per flask, and Italy is naming 1,575 lire per flask. With the possibility of higher prices, domestic production is increasing, but large importers of mercury say this increase will have little effect on the market.

LYCOPodium MOVES TO HIGHER LEVELS

With a short crop in Poland and with several Russian exporters defaulting in meeting contracts, the lycopodium market appears to be following that of two years ago, when the price advanced from 75c pound to \$3.50 per pound, within a few months. The best price now quoted for shipment is 75c per pound, ranging up to 90c per pound as to seller, compared with 40c pound two months ago. Supplies abroad are difficult to locate, and sellers are expecting much higher prices. During the past year, prices were not satisfactory to the gatherers with the result that first hands have been handling less and less material. England is reported bare of stocks, and is now in the market for supplies.

Stocks on spot are concentrated in few hands, and reports state that one holder who had 15 tons, is practically sold out. A few months ago the price advanced, but demand fell off with buyers taking only quantities for actual needs. When the price advanced from 55c pound to 95c pound within a week, the scarcity of spot stocks is confirmed.

Eldridge Chemical Co., Niles, O., has been sued in Cleveland Common Pleas Court by Fred G. Clark Co., and a receiver asked on the ground that the company is insolvent.

Chemists Club, New York, will hold an informal reception and dance for members and their families on Saturday afternoon, Jan. 17.

The Editor's Correspondence

Tinctures and Extracts Under Cost

Editor, DRUG & CHEMICAL MARKETS:

In your article "Prohibition and the Extract Business" in the issue of Jan. 7th, we find that we have been misinterpreted. The representative who interviewed us failed to grasp the real gist of our opinion gained through an intimate relationship with the flavoring extract business for nineteen years.

There are few, if any, of the firms mentioned in your magazine who are newcomers in the flavoring extract business. Several of them we have known for a great many years. Others expanded in the few years just prior to the advent of prohibition. In the early stages of prohibition, it was indeed a very simple matter for the procurement of ample alcohol for the needs of the extract manufacturer. A bond was filed, formulae submitted and an allotment was granted by the Internal Revenue Dept., later by the Prohibition Dept. A monthly report showing consumption was then adopted which only reminded the extract manufacturer that he had an alcohol permit and a bond and that they were matters that had to be complied with.

There are few if any of the firms mentioned who have had to start anew in the flavoring extract business as we were forced to in January, 1924, with ample facilities, plenty of business, but only to find that the major obstacle was the Prohibition Dept.

We wonder if any of these firms have ever appeared before the Central Committee of the Prohibition Dept. to ask for an increase as the writer has? We brought all our orders, etc., with us, and filed affidavits to show legitimate consumption of spirits. And what a mess. To be told that after consideration by this committee, we would be informed as to the committee's decision. Days and weeks passed, and the committee allowed 50 per cent of the quantity applied for.

Why is it that you can purchase such items as tincture of Jamaica ginger, lemon extract, orange extract, tincture of iodine, U.S.P., for less money than the extract manufacturer can produce them? It is not so very many weeks ago that the writer had the pleasure of visiting one of the large wholesale druggists, and while there overheard an order being placed for one of the above items in lots of 100 gals. at \$4.00 a gallon, and turning about remarked, "That price, in my opinion, is much below what you could purchase the ingredients for." It is up to the extract manufacturer to better conditions, not alone for himself but for others who are striving to exist against conditions that are daily becoming unbearable.

With special regard to pure vanilla extract, our firm is not over-anxious to push this item. We find that the substitute is serving the same purpose to the majority of our customers who formerly were wedded to the pure article. In this particular respect, we are reminded that some forty years ago vanillin was selling for \$5.00 an ounce, and coumarin at that time was in its bare infancy, and extracts were made from the bean.

Another big factor and very vital one necessary to the stabilization of the alcohol industry is the reduction of the tax on alcohol to its original pre-war tax. This would, in our opinion, drive out all the unscrupulous manufacturers, remedy the special denatured alcohol situation, and add a blessing to the sound and legitimate flavoring extract manufacturer.

C. H. LEWIS & Co., INC.,
C. H. Lewis, President.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including cleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech. 150 lb bbls. D	.28	.28
100 lb kgs. D	.37	.30
USP 200 lb bbls. D	.36	.38
Second Hands D	.35	.36
Acetic Anhydride D	...	...
85-88%, 107 lb chys. D	.38	.40
90-95%, 100 lb chys. D	.41	.45
CP, 100 lb chys. D	.75	.80
Acetone, CP 700 lb dra. c/l wis. D	.12	.12 1/2
700 lb dra. le/l wis. D	.13	.13 1/2
350 lb dra. le/l wis. D	...	.14
Acetone, 50 gal. drums D	...	.37 1/2
Acetone Oils, light, dra. wis. gal	1.40	1.45
Heavy, dra. wis. gal	1.40	1.45
Acetophenetidin, 150 lb bbls. D	1.85	1.90
Acetyl Chloride, 100 lb chys. D	.40	.41
ACID, 1, 2, 4, 350 lb bbls. D	...	1.30
Acetic, 35%, 400 lb bbls. c/l wis. 100 lb D	...	2.12
28%, le/l wis. 100 lb D	...	3.37
56%, c/l wis. 100 lb D	...	5.85
56%, le/l wis. 100 lb D	...	6.10
70% bbls. c/l wis. 100 lb D	...	7.20
70% le/l wis. 100 lb D	...	7.45
80% coml. bbls. c/l wis. 100 lb D	...	8.19
80% coml. le/l wis. 100 lb D	...	8.44
80% pure bbls. c/l wis. 100 lb D	...	9.98
80% pure le/l wis. 100 lb D	...	10.23
Glacial, bbls. c/l wis. 100 lb D	...	11.01
Glacial, le/l wis. 100 lb D	...	11.26
Glacial USP chys. wis. 100 lb D	...	11.76
Acetylaldehyde, 230 lb bbls. D	.75	.85
Second Hands D	.72 1/2	.75
Anthranilic, tech. dra. D	...	.94
99-100%, 100 lb dra. D	...	1.00
Boric, tech. 100 lb bbls. D	...	.65
Tech. ton lots bbls. D	...	.60
USP, 100 lb bbls. D	.75	.80
Second Hands D	.70	.75
Boric, crys. powd. 250 lb bbls. D	...	.09 1/2
Kegs. 100 lb D	.10	.10 1/2
Brunner's 250 lb bbls. D	...	1.25

ACID		
Suberic, 60% pure 5 lb bot. D	.40	.50
C.P. 10 lb bot. D	1.25	1.50
Camphoric USP, VIII 1 lb bot. D	5.90	6.00
Carbolic, USP crys. see also Phenol		
112 lb tins D	.26	.27
25 lb tins D	.28	.29
5 lb tins or bot. D	.30	.32
1 lb bot. D	.35	.36
Liquid USP, 1 lb bot. D	.34	.36
Crude, 25% 50 gal. bbls. gal	.33	.35
10%, 50 gal. bbls. gal	.37	.30
Carbonic, see Carbon Dioxide		
Chloroacetic, mono 100 lb bbls. wis. D	...	.25
Di, 150 lb chys wis. D	...	1.00
Tri, 425 lb bbls. wis. D	...	2.50
Chloroformic, 1500 lb dra. wis. D	.15	.16
Chromic, USP 200 lb drums D	...	.40
85% Pure, 200 lb drums D	...	.38
Chromotropic, 300 lb bbls. D	...	1.35
Chrysophanic, see Chrysoidin		
Cinnamic, 5 lb cans D	3.25	3.50
CITRIC, USP crys. 230 lb bbls. D	...	.46
Powd., USP, 200 lb bbls. D	...	.47
Imported, crys. 112 lb kgs. D	.45 1/2	.46
Single kgs D	...	.47
Cleves, 250 lb bbls. D	.95	.97
Cresylic, 95% dark dr. NY. gal	.55	.60
97-99% pale, dra. NY. gal	.60	.65
Crude, spot, chems. gal	...	...
Diethylbarbituric, Dom., 25 lb lots, 1 lb bot. D	8.00	9.00
Imp. 10 lb lots D	4.25	4.50
Formic, 85% tech. 140 lb chys. D	.10 1/2	.11
90%, 80 lb chys. incl. D	.11	.11 1/2
Gallie, USP, 150 lb bbls. D	...	.70
Gamma, 225 lb bbls. wis. D	1.40	1.50
Glycerophosphoric, 25% 1 lb b. D	1.85	1.95
H 225 lb bbls. wis. D	.70	.76
Hydrotic, 10% USP 5 lb bot. D	...	.75

ACID (Cont.)		
Hydrochloric, 48% coml. 155 lb chys. wis. D	.45	.48
48% coml. 10 chys. wis. D	...	.45
40% USP 155 lb chys. wis. D	...	.53
10% USP 100 lb chys. wis. D	...	.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. D	.08	.11
HYDROFLUORIC, 30% 400 lb bbls. wis. D	...	.07
30% bbls. c/l wis. D	...	.08
30% 100 lb chys. wis. D	...	.07
48% single 100 lb chys. wis. D	...	.11
48% 10 chys. wis. D	...	.10
52% 100 lb chys. wis. D	...	.14
53% 10 chys. wis. D	...	.11
60% 100 lb chys. wis. D	...	.14
60% 300 lb dr. wis. D	...	.13
White Acid, 100 lb chys. wis. D	...	.26
White Acid, 10 chys. wis. D	...	.21
Hydrofluosulfic, 35% 450 lb bbls. wis. D	...	.13
Hypophosphorous, USP 30% 5 gal. demis. D	...	.85
USP, 10% 5 gal. demis. D	...	.30
LACTIC, 22% dark 500 lb bbls. D	.05 1/2	.06
22% light, bbls. D	.00 3/4	.07
44% dark, bbls. D	.11 1/2	.13
44% light, bbls. D	.13 1/2	.14
66% dark, bbls. D	.18 1/2	.19
66% light, bbls. D	.28	.30 1/2
USP IX 100 lb chys. D	...	.80
USP VIII 100 lb chys. D	...	.75
Laurent's, 250 lb bbls. D	...	.90
Metanilic, 250 lb bbls. D	.60	.65
Mixed, sulfuric-nitric		
Drums, wis. N Unit	.07 1/2	.08
Drums, wis. S Unit	.01	.01 1/2
Tank cars, wis. N Unit	.06 1/2	.07
Tank cars, wis. S Unit	.009	.01
Molybdic, 95% pure 100 lb kgs. D	1.35	1.60
100% C.P. 100 lb kgs. D	2.00	2.10
Monosulfonic F, Delta, 50 lb tins D	...	2.10

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Chemicals

ACID			ACID			ACID		
MURIATIC, 20° chys. 1c/l			Chloric, 450 lb bbls.....	D	.30	Tungstic, 100 lb kegs.....	D	1.00
Wks.....100B	1.00	1.75	Bbls. car lots wks.....	D	.25	Valeric, C.P., 10 lb bot.....	D	2.50
Chys. c/l wks.....100B	1.20	1.35	Pyrogalllic, crys. 5 lb cans.....	D	1.25	Acortine Alk. cryst. 1 oz. vis. cu		30.00
Tank cars, wks.....100B	1.00	1.10	Resublimed, 5 lb cans.....	D	1.05	Amorphous, 1 oz. vis.....	cu	20.00
18°, 120B chys.			Tech. powd., 200 lb bbls.....	D	.35	Adeps Lanse, hydrous 350 lb bbls. D		.15
c/l wks.....100B	1.00	1.10	Salicylic, tech., 125 lb bbls.....	D	.33	Anhydrous, 350 lb bbls.....	D	.18
Tank cars, wks.....net ton			USP, 100 lb bbls.....	D	.35	Albumen, Egg, edible.....	D	1.35
23°, 120B chys.			Second Hands.....	D	.32	100 lb drs.....	D	.50
c/l wks.....100B	1.75	2.00	Sulfanilic, 250 lb bbls.....	D	.16	Blood.....	D	.45
Iron, free 20° chys.			SULFURIC, 66° 150B chys.			Vegetable.....	D	.60
c/l wks.....100B			1c/l wks.....100B	1.50	1.85			
Tank cars, wks.....net ton			Chys., c/l wks.....100B		1.35			
Muriatic, CP & USP, see Acid Hydrochloric			1500 lb Drums, 1c/l					
Naphthionic, tech. 250 lb bbls. D	.55	.59	wks.....100B		1.25			
Refined, single bbls.....		.62	Drums, c/l wks.....100B		1.10			
Neville & Wintner's, 250 lb			Tank cars, wks.....net ton		14.00			
bbls.....	1.00	1.05	60° 1500 lb Drums					
NITRIC, 36°, 135B			1c/l wks.....100B	.75	1.00			
1c/l chys. wks.....100B	4.75	5.25	Drums, c/l wks.....	.65	.75			
Chys. c/l wks.....100B	4.50	4.75	Tank cars, wks.....net ton	9.00	9.50			
38° 1c/l chys. wks.....100B	5.25	5.75	C. P. 175 lb chys.....100B	.08	.09			
Chys., c/l wks.....100B	5.00	5.25	Oleum 20 p.c. 1500 lb drums					
40° 1c/l chys. wks.....100B	5.75	6.00	1c/l wks.....100B	1.50	1.75			
Chys., c/l wks.....100B	5.50	5.75	Drums, c/l wks.....100B	1.25	1.50			
42° 1c/l chys. wks.....100B	6.25	6.75	Tank cars, wks.....net ton	17.00	18.00			
Chys., c/l wks.....100B	6.00	6.35	Contract cars, wks.....					
C. P. chys. single wks.....100B	.13	.16	Oleum, 40% drs 1c/l wks.net ton		40.00			
Oxalic, 300 lb bbls., wks.....	.10%	.11	Oleum, 60% drs., 1c/l wks.net		60.00			
Bbls., NY.....	.10%	.11	Sulfurous, USP 5% 100 lb chys. D	.05	.06			
Keps, 100 lb NY.....	.10%	.11%	4% 100 lb chys.....	.04	.05			
Imp., 860 lb casks.....	.10%	.11	USP, 5 gal. demis.....	.06	.08			
Phosphoric, domestic.....	6.20	9.60	Tannic, tech. 300 lb bbls.....	.30	.40			
Imported, 5 lb a.....	7.00	7.25	USP, powd. 200 lb bbls.....	.75	.80			
Phosphoric, 50% tech. 150 lb			USP, fluffy, 50 lb bbls.....	.75	.80			
chys.....	.07	.08	Tartaric, USP cryst 300 lb bbls. D		.30			
USP, Scrumpy 85°, 70 lb.			USP, powd. 300 lb bbls. D		.30			
demis.....	.15	.17	Imp. USP, 240 lb bbls.....	.27	.27%			
Imported.....			Pow., 240 lb bbls.....	.27	.27%			
Second Hands.....	.15	.16	Telluric, 250 lb bbls.....		.85			
Phthalic, see Phthalic Anhydride								
Picramic, 300 lb bbls.....		.50						

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ALCOHOL, DENAT. (Cont.)

50 gal. drums, extra.....gal	.57½	.59½
Car lots,.....gal	..	.55½
No. 5, Complete Denat. 188 Proof		
50 gal. bbls. incl.....gal	.63½	.65½
Car lots,.....gal	..	.61½
50 gal. drums, extra.....gal	.56½	.58½
Car lots,.....gal	..	.54½
No. 6, Complete Denat. 188 Proof		
50 gal. bbls. incl.....gal	.62½	.64½
Car lots,.....gal	..	.60½
50 gal. drums, extra.....gal	.55½	.57½
Car lots,.....gal	..	.53½
In addition to the regular authorized formulae for completely denatured alcohol, some 15 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Alc. USP, 100 lb. cases.....lb	.88	.90
Alpha-Naphthol crude 500 lb. bbls. lb	..	.85
Refined.....lb	..	.80
Alpha-Naphthylamine, 550 lb. bbls. lb	.85	.87
Ten lots, bbls. wks.....lb	..	.85
ALUM, Ammonia, lump 400 lb. bbls.		
wks. lc/l.....100 lb	3.15	3.75
Imp. 500 lb. cases.....100 lb	..	..
Ground, 400 lb. bbls. wks. 100 lb	3.80	4.00
Powd. 500 lb. bbls. wks. 100 lb	3.45	4.25
Chrome 500 lb. cks. wks. 100 lb	5.50	6.00
Potash, lump 400 lb. bbls.		
wks. ....100 lb	3.30	3.75
Bls. c/l wks.....100 lb	..	3.10
Ground 400 lb. bbls. wks. 100 lb	3.25	3.75

ALUMS, POTASH (Cont.)

Imp. 350 lb. cases.....100 lb	2.50	3.00
Powd., 350 lb. bbls. wks. 100 lb	3.50	4.25
Chrome, 500 lb. cks. wks. 100 lb	5.50	6.00
Soda grd. 400 lb. bbls. wks. 100 lb	..	4.00
Bbls. c/l wks.....100 lb	..	3.50
Alumina, metal, c/l NY.....100 lb	27.00	28.00
Chloride, anhyd. 275 lb. drs. lb	.20	.22
Crystals, 375 lb. bbls.....lb	..	.06½
30% sol. 120 lb. cks.....lb	.08½	.04
Hydrate 96% light 90 lb. bbls. lb	.17	.18
Heavy, 82-84%, 220 lb. bbls. lb	.06	.06½
400 lb. bbls. wks.....lb	.06½	.07
Stearate, 100 lb. bbls.....lb	.21½	.22
SULFATE, Iron-free bags c/l		
wks. ....100 lb	..	2.00
Bbls. c/l wks.....100 lb	..	2.15
Imported, spot.....100 lb	..	2.00
Comm'l. ¾% iron bags c/l		
wks. ....East 100 lb	..	1.40
Cont. bags c/l wks. E. 100 lb	1.35	1.40
Bags, c/l wks. W. ....100 lb	..	1.40
Bbls. c/l wks. East.....100 lb	..	1.55
Bulk, c/l cont. wks. E. 100 lb	..	1.50
Amidol (see Diaminophenol)		
Amidopyrine, Imp. 10 lb. boxes.....lb	4.75	4.85
Domestic, 10 lb. boxes.....lb	4.60	4.75
Aminoozobenzene, 110 lb. kgs.....lb	..	1.15
Ammon. Sulf., bulk wks.....100 lb	2.75	2.80
Double, bags, f.a.s. NY.....100 lb	3.00	nom.
Single, bags, wks.....100 lb	..	2.90
AMMONIA, anhyd. 100 lb. cyl.....lb	..	.80
Water, 26° 800 lb. drs. wks.....lb	..	.06½
Dra. c/l wks.....lb	..	.06½
C.P., bags.....lb	..	.14
Imp., 800 lb. drs. incl. spot.....lb	..	.06½
26° 100 lb. chys. lc/l wks.....lb	..	.07½
Chys. c/l wks.....lb	..	.07½
20° 800 lb. drs. c/l wks.....lb	..	.05½
Chys. lc/l wks.....lb	..	.06½
18° 800 lb. drs. c/l wks.....lb	..	.04½
Chys. lc/l wks.....lb	..	.05½

AMMONIA (Cont.)

16° 800 lb. lds. c/l wks.....lb	..	.04½
Chys. lc/l wks.....lb	..	.05½
Ammonium Acetate, 100 lb. bags.....lb	..	.37
Benzonate, USP, 1 lb. bot.....lb	.90	.95
Bisulfide, 300 lb. bbls.....lb	.22	.23
100 lb. bags.....lb	.23	.24
Bromide, 50 lb. boxes.....lb	.54	.55
Imported, 112 lb. boxes.....lb	.50	.53
Carb. tech. 560 lb. cases.....lb	..	.08½
Powd., tech. 555 lb. bbls. lb	..	.09
USP, lump, 100 lb. bags.....lb	.12½	.13½
Powd., 100 lb. bags.....lb	.11½	.12
Chloride, Domestic		
White, 250 lb. bbls. c/l.....lb	..	.07½
250 lb. bbls. lc/l wks.....lb	.07½	.08
Imp. wh. 250 lb. cases spot.....lb	.05½	.06
Gray 250 lb. bbls. wks.....lb	.08	.08½
Bbls. c/l wks.....lb	..	.07½
Imp. gray 250 lb. cases.....lb	.06½	.07
Lump, 500 lb. cases spot.....lb	.12	.12½
Ichthyolate, as to brand.....lb	4.85	5.00
Iodine, USP, 25 lb. jars.....lb	..	5.20
Lactate, 500 lb. bbls.....lb	.15	.16
Nitrate, tech. crys. 225 lb. bbls. lb	..	..
Refined Crystals, bbls.....lb	.31	.33
CP gran 100 lb. bags.....lb	.35	.37
Oralate, pure, 100 lb. bags.....lb	.40	.42
Persulfate, 112 lb. cases.....lb	.35	.40
Phosphate, dibasic 200 lb. bbls. lb	..	.38
Tech., powd. 225 lb. bbls. lb	..	.18
Phosphate, mono. 325 lb. bbls. lb	..	.12½
Sulleylate, USP 100 lb. bags.....lb	.75	.80
Sulfate, bulk, c/l wks.....100 lb	2.75	2.80
200 lb. single bags c/l wks. 100 lb	..	3.90
200 lb. double bags, f.a.s. 100 lb	..	3.07½
Sulfocyanide, tech., 100 lb. kgs. lb	.50	.60
CP, 25 lb. jars.....lb	.60	.70
Amyl Acetate, tech. 50 gal. drs. gal	3.25	3.50
Refined, 50 gal. drums.....gal	3.90	4.20
Alcohol, see Fuel oil		

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Chemicals

ANILINE OIL, 900B drs.....D	.16	: .17	BARIUM BINOXIDE, see Barium dioxide			Benzol, see Benzene		
Aniline Salt, 200B bbls.....D	.20	: .23	Carbonate, precip., 800B bbls.			Benzonaphthol, 5B boxes.....D	3.50	: 3.60
Anatto, fine.....D	.23	: .30	wks.....ton	66.00	: 70.00	Benzyl Chloride, 500B drs.....D	...	: 1.00
Anthracene, 80-85%, 600B casks			Precip., 200B bgs, wks.....ton	64.00	: 66.00	Benzyl Acetate, 100B clys.....D	1.55	: 1.75
wks.....D	.80	: .85	Imports, bbls., wks.....ton	...	: 54.00	Alcohol, 5B bot.....D	1.45	: 1.55
Anthraquinone, sublimed 125B bbls..D	1.00	: 1.15	Chloride, 800B bbls., wks.....ton	70.00	: 72.50	Benzene, 5B bot.....D	1.60	: 1.75
Antimony metal, state ton lots.100B	.15%	: .17%	200lb bgs, wks.....ton	70.00	: 72.50	Medicinal FFC.....D	1.75	: 2.00
Needle Ford., 100B cases.....D	.11%	: .12%	Imports, bbls., spot.....ton	64.00	: 85.00	Chloride, 95% tech. 925B drs.D	...	: .25
ANTIMONY CHLORIDE, anhyd 1000B			Dioxide, 85% 690B drs.....D	.17	: .18	100B clys.....D	.25	: .30
dra.....D	...	: .35	Import, 86-88% 400B drs.D	...	: .15	Redistil. 160B clys.....D	.40	: .45
50B casks.....D	.45	: .48	Hydrate, 500B bbls.....D	...	: .05	Formate, 1B bot.....D	3.25	: 3.50
Sol'n, 150B carbonyl 35%.....D	...	: .08	Iodide, 5B bot.....D	...	: 5.15	Berberine Hydrochloride, 1B bot.....D	...	: 22.50
Oxide, 500B bbls.....D	.14%	: .16	Nitrate, 700B casks.....D	...	: .10	Sulfate, acid or neut. 1B bot.D	...	: 22.00
Salt, dom. 500B bbls.....D	...	: .25	Import casks.....D	.07%	: .08	BETA-NAPHTHOL, 350B bbls.wks.D	.24	: .25
Imp. NY.....D	...	: .19	Sulfocyanide 400B bbls.....D	...	: .35	Carbols, wks.....D	...	: .23
Sulfuric, golden 500B bbls.....D	...	: .21	Barwood, chips.....D	.04%	: .05	Sublimed.....D	.55	: .60
336B kegs.....D	.48	: .50	Barytes, floated 350B bbls wks ton	28.00	: 28.00	Beta-Naphthylamine, tech. 200B		
Crimson, 500B bbls.....D	.45	: .48	Imported.....ton	29.00	: 32.00	bbls.....D	.65	: .67
336B kegs.....D	.48	: .50	Bay Rum, Porto Rico, genuine			Sublimed, 200B bbls.....D	...	: 1.35
Red, 500B bbls.....D	...	: .19	Medicated salicyl acid or tartar			Bichloride Mercury, see Mercury Bichloride		
336B kegs.....D	...	: .20	45 gal. bbls.....gal	.90	: 1.00	BISMUTH metal, 150B cases.....D	...	: 1.35
Tartrolactate, 500B bbls.....D	...	: .45	Medicated quinine sulf. 45 gal.			Second Hands.....D	...	: 1.35
Antipyrine, USP, 100B cases.....D	1.90	: 2.00	bbls.....gal	.90	: 1.00	Ammon. Citrate, USP 5B bxs.D	...	: 5.15
Apomorphine Hydrochloride, 1/4 oz. vial. on	...	: 22.75	Domestic synthetic, 50 gal.			Betanaphtholate, 5B bxs.....D	...	: 2.65
Archil, double 600B bbls.....D	.13	: .14	Bbls.....gal	.80	: .90	Citrate, USP 5B bxs.....D	...	: 2.35
Triple, 600B bbls.....D	.16	: .17	St. Thomas			Nitrate, 25B jars.....D	...	: 1.50
Conc., 600B bbls.....D	.18	: .20	Medicated salicyl acid or tartar			Oxychloride, 25B bxs.....D	...	: 2.55
Acrolein Hydrobromide, 1 oz. vial. on	6.35	: 7.53	emetic, 50 gal. bbls.gal	.95	: 1.05	Phenolsulfonate, 5B cans.....D	...	: 2.50
Argal, red powd., 350B bbls.....D	.06	: .07	Benzaldehyde, tech. 945B drs.			Sallylate, 25B bxs.....D	...	: 1.55
Arsenic, metal. 220B kegs.....D	...	: .45	wks.....D	.70	: .75	Subcarbonate, USP, 25B bxs..D	...	: 2.65
Red, 224B kegs cases.....D	.15	: .15%	USP. 40B clys.....D	1.40	: 1.50	X-Ray diag. 1B bot.....D	...	: 2.10
White, 220B cases to 550B			FFC, 40B clys.....D	1.50	: 1.65	Subiodide, 5B lots.....D	...	: 4.00
bbls., NY.....D	.06%	: .06%	GENZENE, 90% 8000 gal. tanks			Subnitrate, USP, 25B jars.....D	...	: 2.15
Asbestine, c/1.....ton	16.00	: 18.00	wks.....gal	...	: .23	Second Hands.....D	...	: 2.15
lc/1.....ton	20.00	: 22.00	110 gal. drs., wks.....gal	...	: .23	Cones, 1B bot.....D	...	: 3.15
Aspirin, see Acid acetylsalicylic			Pure Tanks, wks.....gal	...	: .25	Subsallylate, USP, 175 bbls..D	...	: 2.40
Atropine, Alk. USP, 1 oz. vial.....on	5.00	: 5.57	110 gal. drs. wks.....gal	...	: .30			
Sulfate, 5 oz. cans.....D	...	: 5.75	Benzidine Base, dry 250 B bbls.D	.78	: .80			
Single cones.....on	...	: 5.93	Benzidine Sulfate, paste 350B					
			bbls.....D	.70	: .73			

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Chemicals

BISMUTH (Continued)

Tannate, 1 lb bot.	2.05	
above on basis 25 lb lots.		
Smaller lots at an advance.		
Kians Fire, dry 400 lb bbls. wks. ton	75.00	: 80.00
Imported, bbls.	70.00	: 72.00
Paste, 650 lb bbls.	50.00	: 55.00

BLEACHING POWDER, 700 lb drs.

c/l wks.	100 lb	: 2.00
Drums 1c/1 ex-warehouse....	100 lb	: 2.35
Contract, c/l wks.	100 lb	: 2.15
Drums, 1c/1 wks.	100 lb	: 2.15
Imported, spot	100 lb	: 2.07
Blood, dried, f.o.b. NY	unit	: 3.50
Chicago	unit	: 3.75

Blue Ointment, see Mercury

Blue Vitriol, see Copper Sulfate

Bone, S & 50 gr. steam, Chgo.	unit	: 23.00
Raw, NY	ton	: 34.00
Bone Ash, 100 lb keg.		: .07
Black, 200 lb bbls.		: .04

Borax, USP, crys. 400 lb bbls.		: .05%
Powdered, USP, 500 lb bbls.		: .05%
Eggs, USP, 100-150 lb		: .05%

Bordeaux Mixture, 16% pd. bbls.		: .11%
Paste, bbls.		: .08
Borax, 1 lb bot.		: .80

British Gum, 140 lb bags c.l.	100 lb	: 5.02
Bags, 1c/1	100 lb	: 5.12

Bromide, see potass. bromide, etc.		
Bromine, bot. in 50 lb ca. wks.		: .47

Bromobenzene, 600 lb drums		: .40
Bromoforn, USP 5 lb bot 50 lb ca.		: 1.05
Bromine Sulfate, 100 ca.		: .15

Butter of Antimony, see Antimony Chloride		
Butyl Acetate, 100 gal. drums.	gal	: 2.40
CADMIUM, metal 100 lb bxs.		: .95
Bromide, 50 lb cases jar.		: 1.20
Iodide, 10 lb bot.		: 4.45
Sulfide, ca.		: 1.50

CAFFEINE ALK, USP 5 lb cans.

Second Hands	3.60	: 3.70
Hydrochloride, 1 lb bot.	6.05	: 6.55
Sulfate, 1 lb bot.	5.40	: 5.90
Citrate, 25 lb cans.	2.90	: 3.10
Hydrobromide, 1 lb bot.	4.65	: 4.90

CALCIUM, Acetate, 150 lb bgs, c/l

100 lb		: 3.00
Arasenate, 100 lb bbls. c/l wks.		: .08
Bromide, 100 lb ca.		: .60
Carbide, 220 lb dr. c/l wks.		: .04%

Carbonate, tech. 100 lb bags		
c/l	100 lb	: 1.00
USP, precip. 175 lb bbls.		: .04

Chloride, solid, 650 lb drs. c/l		
f.o.b. wks.	ton	: 21.00
Imp. shipment	ton	: 19.50
Flake 375 lb drs. c/l drs. f.o.b.		
wks.	ton	: 27.00

Anhyd., 350 lb drs. f.o.b. NY.		: .13
Glycerophosphate, 250 lb bbls.		: 1.40
Hydrate, see Lime		

Hypophosphite, USP, 25 lb cans.		: .60
Iodide, 5 lb bot.		: 4.40
Lactate, tech. 500 lb bbls.		: .12%
U.S.P.		: .60

Nitrate, 220 lb bbls. c/l NY.	ton	: 40.00
Phosphate, tech., 450 lb bbls.		: .09
Phosphate, precip. tribasic 200 lb		
bbls., wks.		: .11

Phosphate, mono, 325 lb bbls.		: .07
Sulfocarbonate, 100 lb kgs.		: .55

Calomel, see Mercury

CAMPOR, Amer. ref: 250 lb

bbls.		: .30
2 1/2 lb slabs, 100 lb ca.		: .31%
1 lb cakes, 100 lb ca.		: .31%
1 ca. tab., 1 lb etna.		: .35%
100 lb ca.		: .35%

CAMPOR (Cont.)

1/4 ca. tab., 1 lb etna.		: .30
100 lb ca.		: .30
Jap. ref., 2 1/2 lb slabs, 100 lb		
ca.		: .66
1 ca. tab., 100 lb ca. 1 lb		
time		: .30
1/4 ca. tab., 100 lb ca., 1 lb		
time		: .31
Chinese ref. 2 1/2 lb slabs 100 lb		
ca. lb.		: .30
Crude, 100 lb ca.		: .58

Camphor, Monobrom., 100 lb ca.		: 1.85
Camwood, chips		: .09
Caramel, 50 gal. bbls.	gal	: .75
Carbonol, 250 lb bbls.		: .50
Carbon Sulfide, 500 lb drs. 1c/1 NY.		: .08%
c/l drums, NY.		: .08
Carbon Black, 12 1/2 lb bags.		: .08
Carbon Dioxide, Liquid, 20-25 gal.		: .10
Carbon Tetrachloride, 1400 lb drs.		
NY.		: .07

Drums, c/l NY.		: .08%
700 lb drs. single NY.		: .07%
Carmine, No. 40, 5 lb boxes.		: 4.75
Casene, edis., 100 lb keg.		: .45
Technical, 200 lb bbls.		: .10
Castoreum, 1 lb boxes.		: 4.00
Castor Oil, USP, 50 gal. bbls.		: .17%
Cassia, 80 lb 2 tins.		: .18%

Tech. see Fixed Oils		
Cutch, Bangoon, 100 lb balon.		: .14
Borneo, solid, 100 lb balon.		: .04%
Liquid, 450 lb bbls.		: .09
Tablets, 120 lb boxes.		: .13

Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cans.		: 1.75
Cerium Oxalate USP 100 lb kgs.		: .35
Chalk, drop 175 lb bbls.		: .03%
Precip. light 250 lb cans.		: .04%

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Chemicals

CHALK (Cont.)			Chrysarbin, USP, 5 lb cans.... lb			5.25	5.25	COOLIVER OIL, Norwegian, 30 gal.		
Presp. heavy 560 lb cks.... lb	.63%	.84	Cinchonidin alk., pvd. 100 cu. tins....			.60		bbls.	30.00	32.00
Bulk	5.00	5.00	Crystal			.65		Colchicine alk. USP 1 cu. vial.... cu		15.07
Presp. English, 7 lb bags.... lb		.07%	Sulfate, 100 cu. tins.... cu			.40		Salicylate, 1 cu. vial.... cu		15.07
Charcoal, Bone, see bone black			Female, 1,000 cu. lots.... cu			.39		ellodon, USP, 30 lb drums.... lb		.24
Wood, pvd. 100 lb bbls.... lb	.04	.85	Cinchonine alk., pvd. 100 cu. tins....			.33		COPPER metal electrolytic s/l		
Willow, pvd. 100 lb bbls.... lb	.08	.07	Crystal			.43		Lake c/l NY	15.00	15.12%
Chestnut, clarified, 25% tins. vis. lb	.61%	.02	Sulfate, 100 cu. tins.... cu			.25		NY	15.12%	15.25
Bbls., vis.	.02%	.02%	Citric Acid, see Acid Citric					Casting, c/l NY		14.50
Powd., 60% 100 lb bags, vis. lb	.65%	.05%	Citricine Ointment, see Mercury					Carbonate, 400 lb bbls.... lb	.16%	.17%
Decolorized, bags, vis.... lb	.06%	.07	Coal Tar, See Tar					Chloride, 250 lb bbls.... lb		.28
China Clay, Dem.	6.00	9.00	Cobalt metal, 100 lb kegs.... lb	2.50	3.00			Cyanide, 100 lb drs.... lb	.49	.50
Washed & Ground, vis.... ton	11.00	15.00	Cobalt Oxide, 500 lb bbls.... lb		2.10			Iodide, 5 lb bot.... lb		5.65
Imp., Filler Clay	16.00	23.00	10 lb tins, 200 lb cans.... lb		2.45			Oxide, red 1000 lb bbls. ton lots lb	.16%	.17
Coating	20.00	25.00	COCAINE alk., USP, 1 cu. vial.... cu		10.00			Sub-Acetate, verd. 440 lb bbls. lb	.23	.27
Chloral Hydrate, USP 100 lb drs.... lb	.60	.85	Hydrochloride, USP—1 cu. vials.					SULFATE, crys. 450 lb bbls. lb/l		
25 lb jars	.68	.70	25 cu.		7.07			spot	4.90	5.00
Chinoidin, 140 lb drs.... lb		.40	In 1/4 cu. vials.... cu		7.50			Carlota, bbls., f.o.b. NY 100 lb	4.85	4.85
Chloramine-T, 5 lb bot.... lb	1.25	2.50	In crystals, granular, powder,					Carlota, bbls. delivered 100 lb	4.90	5.00
Chloroform, 5 lb bot.... lb	.55	.75	or flaky crystals as desired.					Imp. 550 lb cks spot.... 100 lb		...
Chlorhydrin, Ethylene anhyd. 600 lb	.75	.85	Cocoa Butter, bulk, 200 lb bales. lb	.29	30			Powdered, 350 lb 5 bbls.... lb		...
40% soln. 100 lb cys.... lb	.25	.30	Fingers, cakes, etc. 12 lb bxs.... lb	.35	37			Coppers, bulk c/l vis.... ton	13.00	16.00
CHLORINE, Liquid 3000 lb cyl.			CODEINE, alk., 1 cu. vis. 10 cu.		9.87			200 lb bgs., c/l vis.... ton	16.00	19.00
c/l vis.		.04%	lots					400 lb bbls., c/l vis.... ton	17.00	20.00
Tank car lots, vis. Contract.... lb		.04	Hydrobromide, 1 cu. vis. 10 cu.		7.92			Powdered, bbls.... 100 lb	1.90	2.00
100 lb cyl. c/l	.05%	.05%	lots					Sugar, 400 lb bbls.... 100 lb	1.25	1.85
100 lb cyl. lb/l vis.	.07	.08	Hydrochloride, 1 cu. vis. 10 cu.		8.77			Corn Syrup, 42 deg. 50 gal.		
100 lb cyl. lb/l ex-warehouse.... lb	.08	.09	lots		8.77			bbls.		4.26
Chloroform, mono. 100 lb drs.	.10	.11	Nitrate, 1 cu. vis. 10 cu. lots....		8.77			43 deg. 50 gal. bbls.... 100 lb		4.21
vis.			lots					44 deg. 50 gal. bbls.... 100 lb		4.28
Dr. c/l vis.	.08	.08%	Phosphate, 1 cu. vis. 10 cu.		7.42			45 deg. 50 gal. bbls.... 100 lb		4.45
Tank car lots vis.		.08	lots		7.42			Corn Sugar, see Glucose		
CHLOROFORM, USP 50 lb drs.... lb			Salicylate, 1 cu. vis. 10 cu.		7.42			Cotton Soluble, 100 lb bbls. wet. lb	.40	.43
Second Hands, 650 lb drs.... lb	.32	.33	lots		7.42			Coumarin, 25 lb tins.... lb	3.25	3.45
Technical, 650 lb drums.... lb	.21	.22	Sulfate, 1 cu. vis. 10 cu. lots....		7.92			Seconds Hands	3.25	3.30
Chlorophyll, Oil Sol.... lb	2.80	2.75	Small tins, 1/4 cu. vials, 50c extra,					CREAM TARTAR, USP, 300 lb		
Water Sol.... lb	3.75	4.00	1/4 cu. 30c extra, single 7c extra					bbls.	.21%	.21%
Chromium Acetate, 20% soln. 400 lb			per cu.—25 cu. lots, 10c cu. cheaper					Imp. pvd. USP, 224 bbls.... lb	.20%	.21
bbls.	.87	.88	than above. Less than 10 cu. 15c cu.					Creosote, USP, 42 lb cys.... lb		.45
Fluoride, Powd. 400 lb bbls.... lb		.30	higher than above.					Carbonate, 1 lb bot. 25 lb.... lb	1.70	1.90

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Chemicals

	Cresote Oil, 50 gal. drs.....	.26	: .30	Egg Yolk, Spray, 150D ea.....	.48	: .65	FERRIC CHLORIDE, tech. crys.				
5.07	Croton, USP, 400D drums.....	.23	: .23	EPSON SALT, tech. 300D bbls.			475D bbls.....	D	.10	:	.10%
19.07	Cudbear, English.....	.18	: .20	NY.....		2.12	Imported.....	B		:	.07%
.34	Cyanamide, bulk c/l wks. Amm.unit	1.90	: 2.00	Bbls. c/l NY.....		100D	USP, cys. 100D kegs.....	B		:	.10
	March & April, deliv.....		1.85	100D bgs., c/l NY.....	1.70	1.78	Imported.....	B		:	.07%
15.12%	Cyanamide, NY, basis.....	1.65	: 1.75	Imp., 220D bgs. c/l			Neut. Sol'n 42° 140D chys.....	D	.08%	:	.07
15.25	Cymene, See Para-Cymene			NY.....		100D	46°, 140 chys.....	B	.08	:	.08%
14.50	Dextrin, corn 140D bags c/l 100D		4.72	USP, 300D bbls, 10 bbls. 100D		2.50	USP Sol'n 125D chys.....	B	.06%	:	.07
.17%	Yellow, bags c/l.....		4.82	Carlota, bbls.....		2.10					
.28	Yelow, bags c/l.....		4.77	Imported, 400 lb bbls. 100D		1.75					
.50	Potato, 220D bags, c/l.....		4.87	100D kegs.....	100D	2.00					
5.65	Bags, lc/l.....		.08%	Ergotin, Bonjean, 1 lb jars.....	8.00	6.32					
.27	Yellow, 220D bags.....		.08	Eserine alk, 1 oz. vial.....		24.07					
	Taracea, 240D bags, lc/l.....		.09	Salcylate, USP 1 oz. vial.....		16.07					
4.00	DIAMINOPHENOL, 100D kgs.....		3.80	Sulfate, USP VIII, 1 oz. vial.....		11.07					
5.80	Lianisidine, 100 lb drums.....	3.50	3.75	ETHER, USP, 55 lb drums.....		.18					
5.00	Dichlorobenzene, 1000 lb drs.....	.06	.07	Anaesthesia, 55 lb drums.....		.19					
5.00	Diethylamine, 400D drs.....		2.50	USP, 1880 55 lb drums.....		.43					
	Diethylamine, 550 lb drs.....	.88	.61	Washed, 55 lb drums.....		.35					
	Diethyl Phthalate, 25 lb cans.....	.40	.45	Motor, 1 lb cans.....	.25	.31					
16.00	" " " " " " " " " " " "	.55	.40	Ether, Nitrous, 1 lb bet.....	.92	.95					
19.00	Diethyl Sulphate tech. 50 gal. drs.	.20	.25	Ethy: acetate, 99% 50 gal. drs.gal	1.15	1.18					
2.00	CP drums.....	.40	.50	85% Ester, 100 gal. drs.gal		.95					
1.85	Digitalin, Pure, 1 oz. vial.....	9.75	10.25	Carlota, drums.....		.92					
	Dimethylalliline, 840D dra. wis.D	.33	.35	Tanks Cars.....		.90					
	Dimethylamine, 400D drs.....		2.80	Refined, drums.....	1.77	1.90					
4.34	Dimethylsulphate, 100 lb drs.....		.80	Bromide, 115 lb drs.....		.40					
4.81	Dinitrobenzene, 400D bbls.....	.15	.16	Chloride, 200D drs., 15 lb cyl.D	.26	.35					
4.38	Dinitrochlorobenzene, 400 lb bbls.	.15	.16	Methyl Ketone, 50 gal. drs.....	.25	25%					
4.45	Dinitrosaphthalene, 350D bbls.D	.33	.34	Morphine, see Morphine, Ethyl							
	Dinitrophenol, 350 lb bbls.....	.32	.35	Ethyl Benzyl Aniline, 300D drs.D	1.10	1.15					
.43	Dinitrochlorine, 300 lb bbls.....	.18	.19	Ethylene Bromide, 600D drs.....		.70					
3.45	Dionin, see Morphine, Ethyl			Glycerol.....		.65					
3.50	Diphenylamine, 250D bbls.....	.48	.50	Chlorhydrin, anhyd. 50 gal. drs.D	.75	.85					
	Dibenzoglyandine, 170D bbls.....	1.10	1.15	40% Solution, 50 gal. bbls.D	.35	.30					
.21%	Divl Divl, pods, bags.....	43.00	44.00	Dichloride, 50 gal. drs.....	.20	.25					
.21	Dover's Powder, USP.....	2.30	2.80	Ethyleneacetaline.....		.70					
	Boric Sulphate, 1 oz. vial.....		30.87	Eucalyptol, 25 lb cans.....		.90					
.45	EARTH, Diatomaceous, see Kieselguhr			Feidapar, bulk.....	30.00	25.00					
1.80	Kneadine alk., 15 gr. vis.....		1.30								
	Hydralide, USP 1 oz. vial.....	17.00	17.50								
	15 gr. vials.....		.75								

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Chemicals

Gambier, 25% liq. 450 lb. bbls.14	.15	HEMATINE, Paris, 500 lb. bbls.09%	.13	IODINE, crude, 200 lb. kegs	4.10
Common, 300 lb. cases . . . . .	.19%	.20	Crystals, 400 lb. bbls. . . . .	.14	.20	Hemlock, 10 lb. jars	4.85	4.75
Singapore cubes, 150 lb. bags . . . . .	. . .	.22	Hemlock, 25% 600 lb. bbls. wks. . . . .	.03%	.03%	Tincture, USP, 50 gal. bbls.	4.50	4.55
Gelatin, USP silver 1 lb. 100 lb. cs. . . . .	.60	.65	Hemlock, bark . . . . .	. . .	20.00	Carboys	4.55	4.60
Gold Label, 100 lb. cases . . . . .	. . .	. . .	Hexamethylenetetramine, USP . . . . .	.75	.77%	Second Hands	4.55	4.40
Technical, 100 lb. cs. . . . .	.45	.50	100 lb. drums . . . . .	.64	.66	Iodoform, powd. 10 lb. bot. . . . .	. . .	5.50
GLAUBER'S SALT, tech. 300 lb. bags	1.15	1.35	Imported . . . . .	. . .	. . .	Crystals, 10 lb. bot. . . . .	. . .	6.50
1c/1 wks. . . . .	. . .	1.35	Rubber Makers, Impalp. Pd. . . . .	.83%	.85	Iridium, metal 10 oz. lots . . . . .	. . .	360.00
350 lb. bbls. c/1 wks.	1.30	1.45	Homatropine Hydrobrom. USP 1 oz. . . . .	. . .	14.57	Iron, metal by hydrogen 1 lb. bot. . . . .	.20	1.00
Bbls. 1c/1 wks. . . . .	.80	.85	Five ozs., 1 oz. vials . . . . .	. . .	13.50	IRON & AMM. CITRATE, USP 50 lb. . . . .	. . .	.69
Imported, bbls., spot . . . . .	. . .	1.35	Hydrastine Alk., USP, 1 oz. vials	14.00	14.57	Green scales, 50 lbs. . . . .	. . .	.69
USP, 300 lb. bbls. imp. sp. 100 lb. . . . .	. . .	1.75	Hydralide, USP, 1 oz. vial . . . . .	. . .	14.57	Cacodylate, 10 lb. bot.	6.50	0.75
USP, 300 lb. bbls. dom. sp. 100 lb. . . . .	. . .	1.40	Sulfate, 1 oz. vial . . . . .	. . .	16.97	Chlorate, USP VIII 25 lb. cans . . . . .	.99	1.91
Calcein, see Sodium Sulfate . . . . .	. . .	. . .	Hydrastine Hydralide, USP 15 gr. . . . .	. . .	1.00	Chloride, see ferric or ferrous . . . . .	. . .	. . .
Glucose, (Grape Sugar) dry, 100	4.29	4.54	Hydroquinone 100 lb. kegs . . . . .	. . .	. . .	Hypophosphite, 5 lb. cans	1.50	1.60
70° bags, c/1 NY 100 lb.	4.26	4.45	HYDROGEN PEROXIDE, 35 vol. 400 lb. . . . .	. . .	.10	Syrup, USP VIII . . . . .	. . .	.30
Syrup, Drs. & bbls. c/1 NY 100 lb.	4.36	4.55	bbls. . . . .	. . .	.37	Iodide, 1 lb. bot. . . . .	. . .	4.23
1c/1 NY 100 lb.	4.36	4.55	100 vol. 140 lb. chys. . . . .	. . .	.05%	Syrup, USP, 5 lb. bot. . . . .	.35	.36
GLUE, pure white, bbls. . . . .	.23	.26	USP Soln. 375 lb. bbls. . . . .	. . .	.45	Nitrate, kegs . . . . .	.09	.10
Medium white, bbls. . . . .	.20	.24	USP tot. 4 oz. cases	8.00	8.25	Com'l, bbls.	2.75	3.25
French, bbls. . . . .	.18	.23	Bot. 8 oz. cases	11.75	12.00	Oxalate scales 25 lb. cans . . . . .	.35	.35
High Grade, bbls. . . . .	.25	.40	Bot. 16 oz. cases	19.75	20.00	Oxide red, Spanish . . . . .	.03%	.07%
Bone, regular, bbls. . . . .	.10	.12	Hydroquinone, 100 lb. kegs	1.40	1.50	& Ammon. Oxalate 25 lb. kegs . . . . .	.42	.45
Fish, bbls.	1.50	1.75	Hypocline Hydrobrom. USP 1 oz. . . . .	. . .	9.57	& Potassium Oxalate, 25 lb. kegs . . . . .	.45	.47
GLYCERIN, C.F., 550 lb. drums . . . . .	.19	.10%	Five ozs., 1 oz. vials . . . . .	. . .	9.00	& Sodium Oxalate, 25 lb. kegs . . . . .	.41	.48
Cans, 50 lb. . . . .	.20	.22	Hypocline Alk. Cryst., 1 oz. vial . . . . .	. . .	20.07	Phosphate, USP 50 lb. . . . .	. . .	.69
Dynamite, 100 lb. drs. . . . .	.18	.18%	Alkaloid, Amorphous, 1 oz. vial . . . . .	. . .	75.07	Pyrophosphate, USP, 50 lb. . . . .	. . .	.74
Saponification, (tanks) . . . . .	.13%	.14	Hydroquinone, USP 1 oz. vial . . . . .	. . .	25.07	JALAP RESIN, lump 5 lb. tins	3.25	3.35
Soap, Lys, tanks . . . . .	.12%	.12%	Sulfate, 1 oz. vial . . . . .	. . .	20.07	Powd. tins	3.40	3.50
Goa Powder, see chrysarobin . . . . .	. . .	. . .	Hypocline, 51°, 600 lb. bbls. . . . .	.16	.18	Kapoc, 200 lb. double bales . . . . .	.34	.35
Graphite, crude 250 lb. bags	15.00	35.00	Hypernic chips . . . . .	.06%	.07	KIESELGUHR, 95 lb. bags NY	60.00	70.00
Flake, 500 lb. bbls. . . . .	.05	.09	INDOL, C. F., 1 oz. bot.	6.00	6.50	LANOLIN, see Adeps Lanase . . . . .	. . .	. . .
Ground, lump, bbls. . . . .	.04	.05	Iodides, see Potass. Iodide, etc. . . . .	. . .	. . .	Larch, 25%, 600 lb. bbls. wks. . . . .	.03%	.04
Gumiacol Liquid, USP, 25 lb. cans	2.25	2.45	Indigo, Madras, bbls. . . . .	.85	.90	Powd., 100 lb. bags, wks. . . . .	.07	.08
Boninate, 1 lb. bot. . . . .	. . .	18.00	Manila, bbls. . . . .	. . .	1.30	LEAD, metal c/1 NY	10.25	10.50
Carbonate, 5 lb. boxes	4.00	4.50				Acetate, white crystals 500 lb. . . . .	. . .	15%
Second Hands	3.25	3.50				100 to 250 lb. kegs. wks. . . . .	. . .	.16
HAARLEN OIL, Dom. 6 gr. oz. gross	2.75	3.00				White, broken, bbls. wks. 100 lb. . . . .	. . .	14.75
Imported, 5 gr. cases	3.75	4.00				White, gran., bbls. wks. 100 lb. . . . .	. . .	15.00
Halazone, 5 lb. bot.	2.75	3.25				White, powd., bbls. wks. 100 lb.	16.25
						Kegs, wks.	16.0%
						Brown, broken, bbls. wks.	14%

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Chamber—Oil of Vitriol 66°—Oleum
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Chemicals


LEAD ACETATE (Cont.)

USP, 100 lb. kegs.....	D	.15%	.16
Arsenate, 100 lb. bbls. 16/1 wks. D		.21	.26
Bbls. c/1 wks.	D	.17	.19
Paste, 100 & 600 lb. bbls. D		.10	.15
Iodide, USP VIII 5 lb. bot.	D	3.30	3.40
Nitrate, 500 lb. bbls. wks.	D	...	.13
Oxide, litharge, 500 lb. bbls.	D	...	.12%
Oxide, red 500 lb. bbls. wks.	D	...	.12%
100 lb. kegs, wks.	D	...	.17%
Peroxide, 100 lb. drs.	D	.25	.30
White, basic carb. 500 lb. bbls. wks.	D	...	.11
Bbls. c/1 wks.	D	...	.11
100 lb. kegs, wks.	D	...	.15%
White, sulfate 500 lb. bbls. wks. D		...	.10%
Bbls. c/1 wks.	D	...	.10%
Licorice Ext. Mass, cases	D	.25	.26
Compound powder, bbls.	D	.11	.13
Powdered	D	.38	.40
Sticks, 1 ea. 100 lb. cases.	D	.45	.50
LIME (Salts, see Calcium Salts)			
Ground Stone, bags ton		4.50	
Live, Bulk ton		8.50	
Live, 325 lb. bbls. ton lots wks. D		...	.01%
Single bbl. wks.	D	...	.01%
Hydrated, 167 lb. bbl. ton lots, D		...	.01%
Single bbl. wks.	D	...	.01%
Oyster Shell, 150 lb. bbl. sing. D		...	.03%
Sulfur, dry 200 lb. drs. NY.	D	...	.08%
Dra. c/1 NY D		...	.08
33° Soln. 50 gal bbls. NYgal		.15	.16
Linalool, 5 lb. bot.	D	6.25	6.75
Litharge, see lead oxide			
Lithium Carb. USP. 100 lb. kgs. D		1.50	1.60
Reumide, 100 lb. ea.	D	1.80	1.90
Citrate, USP, 100 lb. kegs.	D	1.70	1.75
Iodide, 5 lb. bot.	D	7.50	
Lithopone, 400 lb. bbls. 16/1 wks. D		...	.06%
Bbls. c/1 wks.	D	...	.06%
Regg. c/1 wks.	D	...	.06%
Imported, 400 lb. bbls.	D	.05%	.06

Litmus Cubes D		.90	1.00
Logwood, 51°, 600 lb. bbls.	D	.08%	.09
Lower grades D		.07	.08
Solid, 50 lb. boxes D		.12%	.16
LOGWOOD, sticks ton		23.00	27.00
Chips 150 lb. bags D		.03	.03%
Luminal, see Phenylethylmalonylurea			
Madder, Dutch D		.28	.30
MAGNESITE, crude ton		15.00	
Calcined, 500 lb. bbls. ton		55.00	
Magnesium sul., sticks 100 lb. ea. D		1.25	1.30
Carb. tech. 70 lb. bags NY.	D	.08	.03%
75 lb. bbls. NY.	D	.08%	.10%
USP, 60 lb. bbls.	D	.12	.14
USP, blocks 100 lb. ea. 1, 4, 4		...	
om.	D	.19	.23
Chloride, fused 575 lb. drs. c/1		...	
wks.	D	...	.34.00
Flaked, 350 lb. drs. wks c/1 ton		...	.36.00
Imp., fused 900 lb. bbls NY ton		26.00	28.00
Finelicate, crystals 400 lb. bbls.		...	
wks.	D	.12	.15
30% soln. 500 lb. bbls. wks. D		.07	.07%
Soln. bbls. c/1 wks.	D	...	.06
Glycerophosphate, 5 lb. tins.	D	3.25	
Hypophosphite, 5 lb. cans.	D	1.05	
Oxide, USP light 100 lb. bbls.	D	.42	
USP, heavy 250 lb. bbls.	D	.50	
Peroxide, 5 lb. cans.	D	3.40	
Perborate, 1 lb. tins.	D	3.82	
Sulfolate, 100 lb. kegs.	D	.75	.80
Sulfate, see Epsom Salts			
Manganese Chloride, 600 lb. can.		...	
NY D		.09%	.10
Borate, 30%, 200 lb. bbls.	D	...	.24
100 lb. kegs D		...	.25
Dioxide, 80-84% 900 lb. bbls.		...	
NY ton		80.00	85.00
85-90%, 900 lb. bbls. NY. ton		85.00	90.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb. kgs. D		.15	.20
Glycerophosphate, 5 lb. tins.	D	...	2.95
Hypophos. USP VIII 5 lb. cans. D		...	1.40
Iodide, 1 lb. bot.	D	...	6.65
Ore, bulk, NY D		.43	.44
Sulfate, 600 lb. cans NY.	D	...	.08
Mangrove, 55% 400 lb. bbls.	D	.04%	.05
Mangrove bark, African ton		...	40.00
Marble Flour, bulk ton		10.00	12.00
See also Calcium Carbonate			
MENTHOL, USP, 60 lb. cases.	D	...	12.25
Less cases, 5 lb. tins.	D	...	12.75
Domestic, USP, 60 lb. cases.	D	...	...
MERCURY, metal, 75 lb. flasks. .flask		83.00	85.00
Less flasks, 5 lb. jugs	D	...	1.20
Bichloride, crys. 25 lb. bxs.	D	...	1.13
Gran. powd., 200 lb. kegs.	D	...	.98
Bisulfate, 25 lb. boxes D		...	.96
Blue Mass, 25 lb. boxes D		...	.66
Powdered, 25 lb. boxes D		...	.68
Blue Ointment, USP 25 lb. cans		...	
50% D		...	.86
USP, dilute 25 lb. cans 30% D		...	.69
33 1/3% Mercury D		...	.74
Calomel, 50 lb. bxs.	D	...	1.23
Citrine Ointment 25 lb. jars.	D	...	.51
Iodide, green 25 lb. jars.	D	...	4.10
Red, USP 25 lb. jars.	D	...	4.10
Yellow, USP VIII 25 lb. jars. D		...	4.20
Oxide, Yellow, USP, 25 lb. bxs.	D	...	1.68
Red Precip. USP, 25 lb. bxs.	D	...	1.38
Powder, USP 25 lb. bxs.	D	...	1.48
White Precip. USP 25 lb. bxs.	D	...	1.34
Powdered, USP, 25 lb. bxs.	D	...	1.39
With chalk, USP 25 lb. bxs.	D66
Meta-Nitrandline D		.70	.80
Meta-Nitro-para-Toluidine, 300 lb		...	
bbls.	D	2.05	2.10



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Chemicals

Meta-Phenylmethanamine, 300 lb bbls. : .80 : .95	MORPHINE (Cont.) Acetate, 5 ea. tin 10 ea. lots on Hydrobromide, 5 ea. tin 10 ea. : 7.35	Nitrobenzene, crude, 1000 lb dra. wks. : .09 : .09%
Meta-Tolylmethanamine, 300 lb bbls. : .80 : .84	Hydrochloride, 5 ea. tin 10 ea. : 7.35	Redistilled, 1000 lb dra. wks. D : .09% : .10%
METHANOL (Wood Alcohol) 95% tanks : .67	Hydride, 5 ea. tin 10 ea. : 7.35	Nitronaphthalene, 550 lb bbls. D : .30 : .31
Drums, 5/1 : .70	Styryl Hydride, 1/4 ea. via. 10 ea. : 11.45	Nitrotoluene, mixed 1000 lb dra. wks. : .14 : .15
97% tanks : .69	Small Stems: 1/4 ea. vials, 50c extra; Musk Ambrette, 1 lb cans : 11.75 : 12.25	Nutgalls, see Crude Drugs
Drums, 5/1 : .72	Myrobalsam, 25% liquid bbls. : .04 : .05	Oak bark, whole. ton Ground : 30.00 : 33.00
Drums, 10/1 : .74	80% solid, 50 lb boxes. : .08	Oak, tanks, wks. lb 25-25% liq. 600 lb bbls. wks. D : .04% : .04%
Pure, Acetone free, tins. : .75	Myrobalsam, bags J1 ton 60.00 : 65.00	Ochre lb : .03%
Drums, 5/1 : .77	R2 ton 41.00 : 42.00	Oil Fuel, see Fuel Oil
Drums, 10/1 : .80	J2 ton 42.00 : 45.00	OIL MINERAL, wh. 50 gal. bbls. gal 1.00 : 1.25
Methyl Acetate, 100 gal. drums. gal Tanks, cars : .75 : .80	NAPHTHA, See Solvent Naphtha	Oil Mirbane, see Nitrobenzene
Chloride, 90 lb cys. : .50	NAPHTHALENE, Flake, 175 lb bbls. wks. : .06	Opium, see crude drugs
Sulkyrate, USP, 50 lb cans. : .47	Bbls., 5/1 wks. : .05%	Orange Mineral, 800 lb casks NY. D 500 lb bbls. NY. : .14
500 lb drums : .45	bbls., second hands NY. : .05%	Ortho-Aminophenol, 50 lb bags. D 2.40 : 2.50
Second Hands, cans : .45	Balls, 250 lb bbls. wks. : .07	Ortho-Armedine, 100 lb dra. : 3.00
Methylene Blue, tech. 100 lb kgs. D 1.35 : 1.50	Bbls., 5/1 wks. : .06%	Ortho-Dichlorobenzene, 1000 lb dra. wks. : .05% : .06
USP, medicinal 5 lb cans. : 2.00 : 2.30	Bbls., second hands NY. : .06%	Ortho-Nitrochlorobenzene, 1200 lb dra. wks. : .37
Schuler's Ketone, 225 lb bbls. : 3.75	Crushed, chipped, bgs., wks. : .05	Ortho-Nitrophenol, 350 lb D : 1.00
Milk, powd. 150 lb bbls. D : .14 : .15	Crude, imp., bags : .03	Ortho-Nitrotoluene, 1000 lb dra. wks. : .09 : .12
Milk Sugar, see sugar of milk	NICKEL Ingot, 100 lb kgs. : .29 : .32	Ortho-Toluidine, 350 lb bbls. D : .18 : .19
Mineral Oil, see oil mineral	Salt, single 400 lb bbls., NY. D Double, 400 lb bbls., NY. : .10 : .11	Osage Orange, 51c liquid. lb Powd. 100 lb bags. : .14 : .15
Monocetene, 50 gal. drums. D 6. : .50	Oxide, 100 lb kgs. NY. : .40 : .42	Oxall, USP, 5 lb bot. D 2.00 : 3.00
Monochlorobenzene, see chlorobenzene	Sulfate, 450 lb bbls. : .09 : .10	Purified, 5 lb bot. D 1.50 : 2.50
Monoethylamine, 900 lb dra. D : .90 : 1.00	Nickel Metal, electrolytic 100 lb Nicotine, Free 40%, 8 lb tins. : 1.35 : 1.90	Crude, 5 lb bot. D : .80 : 1.25
Monoethyl paraniophenol sulfate 100 lb dra. : 3.95 : 4.30	Sulfate, 10 lb tins, 40% : 1.05 : 1.25	PALLADIUM, metal 10 ea. lots, on 75.00 : 76.00
10 ea. : 7.35	NITRATE SODA, spot 100 lb Future, Jan.-Mar. : 2.50% : 2.61%	Pancrastin, USP 5 lb bot. D 1.25 : 1.40
MORPHINE Sulfate, USP 5 ea. tin 1/4 25c extra; single on via., 7c ea. tra. over price for 5 ea. tins. 25 ea. lots in 5 ea. tin, 10c ea. lower than above schedule. Low than 10 ea. lots 15c ea. higher than above schedule.	Nitre Cake, bulk wks. ton 500 lb bbls. : 5.50 : 6.00 13.00 : 14.00	Papain, 10 lb bot. USP, Powd. D 2.15 : 2.25
		Crude, 150 lb cans. D 1.80 : 1.85
		Paraffin, ref'd 200 lb ea. slabs 123-127 Deg. M. P. : .05% : .05%

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Sulphate and Minor Salts

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Brilliant Crystallization and Purity of Color

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Chemicals

PARAFFIN (Cont.)

128-132 Deg. M. P. D	.06	.06%
133-137 Deg. M. P. D	.08%	.07
138-140 Deg. M. P. D	.07%	.07%
Para-Aminocetanilid, 100 lb		
kegs	1.10	1.15
Para-Aminophenol, 100 lb kegs.. D	1.16	1.25
Hydrochloride, 100 lb kegs.. D	1.35	1.40
Para-Dichlorobenzene, 150 lb bbls.		
wks.	.17	.30
25-50 lb kegs	.18	.23
Paraaldehyde, 100 gal. drs.. D		.48
Para-Cymene, Refd., 110 gal drs. gal	2.25	2.50
Paraformaldehyde, USP 100 lb cs. D	.43%	.45
Para-Nitroacetanilid, 300 lb		
bbls.	.50	.55
PARA-NITROANILINE, 300 lb bbls.		
wks. ton	.62	.65
Para-Nitrochlorobenzene, 1200 lb drs.		
wks.	.20	.22
Para-Nitro-ortho-Toluidine, 300 lb		
bbls.	2.75	2.85
Para-Nitrophenol, 185 lb bbls.. D	.55	.60
Para-Nitrosodimethylaniline, 120 lb		
bbls.	.95	1.00
Para-Nitrotoluene, 350 lb bbls.. D	.42	.45
Para-oxo Benzaldehyde, 100 lb		
kegs		1.70
Para-Phenetidin, 500 lb drs.. D	1.55	1.80
Para-Phenylenediamine, 350 lb		
bbls.	1.25	1.80
Para-Toluene-Sulfonamide, 175 lb		
bbls.	.40	.41
Para-Toluene-Sulfonchloride, 410 lb		
bbls. wks.	.18	.30
Para-Toluidine, 350 lb bbls. wks. D	.70	.75
PARIS GREEN		
Arsenic Basis, 500 lb kegs.. D	.25	.30
Kegs, 100 lbs	.32	.38
Kits, 56, 28, 14 lbs	.34	.35

PARIS GREEN (Cont.)

Packages, 5 and 2 lbs.. D	.36	.37
Packages, 1 lb, 1/2, 1/4 lb.. D	.39	.43
Paris White, see whitening. French		
Pepsin, USP, 5 lb bot.. D	2.25	2.50
Persian Berries	.27	.30
PETROLATUM, green 300 lb bbls. D	.02%	.03
Dark Amber, 300 lb bbls.. D	.03%	.04
Light Amber, 300 lb bbls.. D	.04%	.05
Cream White, USP 300 lb bbls. D	.07	.07%
Snow White, USP, 300 lb bbls. D	.12%	.13
Lily White, USP, 300 lb bbls. D	.09	.09%
Phenol, see also acid carbollic		
Makers, 950 lb drums, spot.. D	.23	.24
Small drums, 240-100 lb.. D	.24	.26
Open market, drums		.24
240 lb des. drs. wks.. D		.25
Natural, 240 lb des. drs. wks.. D		
Phenolphthalein, USP, 100 lb drs. D	1.30	1.40
5 lb cans, 100 lb lots	1.40	1.50
Phenyl-Alpha-Naphthylamine 100 lb		
kegs	1.23	1.29
Phenylethylalcohol, 1 lb bot. Dom. D	8.00	10.00
Imported	7.00	7.75
Phenylethylmalonylurea, oz. pkgs. oz		5.50
Phosgene, 100 lb cylinders		9.50
Phosphate Acid, 16% Bulk wks. ton		2.15
Phosphate Rock, f.o.b. mines		2.25
Florida Pebble, 68% .. ton		3.75
Florida Pebble, 70% .. ton		5.50
Florida Pebble, 75-74% .. ton		35
Tennessee, 72% .. ton		40
Phosphorus Oxichloride, 175 lb cyl. D		90
Phosphorus, red 110 lb cs. wks.. D		35
Imported, 112 lb cases.. D		37%
Yellow, 110 lb cs. wks.. D		
Imported, 112 lb cases.. D		
Phosphorus Trichloride, 175 lb cyl.		45
wks.		28
Phthalic Anhydride, 100 lb bbls. D		

PILOCARPINE HYDROCHLORIDE, USP 25 oz.

lots, 1 oz. vials.. cs	3.00	3.32
Nitrate, 25 oz.. cs		3.00
Single cs.		3.32
Alkaloid, 15 gr. vials.. cs		.85
Pine Oil, stim. dist. bbls.. gal		.88
Piperazine Hydrate, 1 lb bot.. D		16.00
Piperidine, 25 oz.. cs	1.10	1.25
Pitch, Coal-Tar, wks.. ton	24.00	26.00
Pitch, prime		5.50
Plaster Paris, tech 250 lb bbls. bbl		3.30
True Dental, 300 bbls.. bbl		4.50
Platinum, metal soft 10 oz. lots.. cs		117.00
Podophyllin, 5 lb bot.. D	5.00	5.25
Second Hands	4.50	4.80
POTASH		
Pot. Muriate, basis, 80% bgs. ton		34.55
Pot. Sulfate, basis, 90% bgs. ton		45.85
DBle. Manure Salts, basis 48%		
bgs.		26.35
Manure Salts, basis, 30% bulk. ton		17.03
Manure Salts, basis, 20% bulk. ton		10.55
Kainit, basis, 12.4% bulk. ton		7.75
Bulk in bags, \$2.00 extra.		
Prices c.i.f. Atlantic & Gulf Ports.		
Discounts, 50 tons, 5%; 500 tons, 10%.		
POTASH, CAUSTIC, solid 88-92%		
700 lb drs. wks.. D	.07%	.07%
Imp., 88-92% 700 lb drs. NY. D	.07%	.07%
USP, by alcohol 5 lb cans.. D	.46	.48
cases	.30	.35
POTASSIUM Acetate, USP, 100 lb		
kegs	.29	.30
Second Hands, kegs.. D	.28	.28
Bicarbonate, crys. 320 lb bbls. D	.10	.10%
Bichromate, crys., 900 lb cases. D	.08%	.08%
Powd., 900 lb cases wks.. D		.12
Binoxalate, 300 lb bbls.. D	.25	.28
Import, 112 lb bbls.. D	.18	.20

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is the Product by which all other
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IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

POTASSIUM (Cont.)

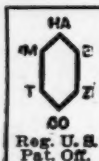
Asulfate, C.P., 50 lb cans....	D	..	:	.30
100 lb bags.....	D	..	:	.22
Bromate, 100 lb cans.....	D	..	:	.75
BROMIDE, USP, cryst. 450 lb bbls.....	D	.48	:	.49
Granular, 300 lb bbls.....	D	.48	:	.49
Cases, 100 lb.....	D	..	:	.50
Imported, USP, 220 lb cans.....	D	.42	:	.44
CARBONATE, 80-85% calc. 800 lb cks.....	D	.05%	:	.06
80-85%, hydrated, 800 lb cks.....	D	.05%	:	.05%
90-95% calc. casks.....	D	.06	:	.06%
96-98% calc. casks.....	D	.06%	:	.06%
99% calc. casks.....	D	.07	:	.07%
USP 100 lb bags.....	D	.12%	:	.13
99% CP casks.....	D	..	:	.12%
Chlorate, crys. 112 lb kgs. e/l vks.....	D	.09	:	.10
Imp. 112 lb kgs. NY.....	D	.07	:	.07%
Powd., 112 lb kgs vks.....	D	.08%	:	.09
Imp., kgs. NY.....	D	.06%	:	.07%
Gran. Imp. 112 lb kgs NY.....	D	.10%	:	.11
Pyrotechnic, fine powd. NY.....	D	..	:	.07
USP, fine crys. 110 lb kgs NY.....	D	.07	:	.07%
Citrate, USP 50 lb.....	D	..	:	.60
Cyanide, 110 lb cans.....	D	.60	:	.65
Glycerophosphate, 75% Soln. 25 lb tins.....	D	1.25	:	1.50
Guaicol Sulfonate, 5 lb cans. 10 lb.....	D	2.00	:	2.25
Hypophosphite, 10 lb cans.....	D	.80	:	.85
Iodide, USP, 100 lb cans.....	D	3.45	:	3.50
Lactophosphate, 4 oz bot.....	D	..	:	.90
Metabisulfite, 300 lb bbls.....	D	.18	:	.30
Imp., 550 lb bbls.....	D	.10	:	.15

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY K ₂ O unit.....	D	..	:	.63
Nitrate, see Saltpetre				
Oxalate, neutral, 100 lb bags.....	D	.35	:	.40
Perchlorate 112 lb kgs Mch.-Apr. D		..	:	.10%
PERMANGAN., USP, crys. 500 lb & 100 lb drs. vks.....	D	.15	:	.16
Imp., 113 lb drs.....	D	.15	:	.16
Prussiate, red, 500 lb casks.....	D	..	:	.39
Prussiate, yellow, 500 lb casks.....	D	.18%	:	.19
Salicylate, 25 lb cans.....	D	.60	:	.65
Sulfate, 200 lb bags, NY, K ₂ O unit		..	:	.85
USP, VIII, 100 lb kgs.....	D	.15	:	.18
Sulfocyanide, CP 25 lb jars.....	D	..	:	.80
Tartrate, neutral, 100 lb bags.....	D	..	:	.81
Titanium Oxalate 200 lb bbls.....	D	.25	:	.30
Prussian blue.....	D	.45	:	.50
Umice Stone, lump, 250 lb bbls.....	D	.04%	:	.06
Lump, bags.....	D	.03%	:	.05
Powdered, 350 lb bbls.....	D	.02%	:	.03
Pyridine, 50 gal. drum.....	D	4.10	:	6.25
QUERRACHO, 35% liquid tins.....	D	.03%	:	.04
450 lb bbls.....	D	.03%	:	.04
35% bleaching, 450 lb bbls.....	D	.04%	:	.05%
Solid 85% 100 lb bales.....	D	..	:	.64%
Clarified, bales.....	D	..	:	.65
Quercitron, 51° 450 lb bbls.....	D	.06%	:	.08
Powdered, 100 lb boxes.....	D	.10%	:	.13
Quercitron bark, rough.....	ton	..	:	16.00
Ground	ton	20.00	:	25.00
QUICKSILVER, see Mercury				
Quinidine Alk., 100 oz tins.....	D	..	:	.75
Sulfate, 100 oz. tins.....	D	..	:	.50
Quinoidine, see Chinoidin				
QUININE SULFATE, USP, American, 100 oz. tins.....	D	..	:	.50
1 oz tins, 100 oz lots.....	D	..	:	.57
Dutch, 100 oz tins.....	D	..	:	.50

QUININE SULFATE, USP.

Java, 100 oz tins.....	D	..	:	.50
Japanese, 100 oz tins.....	D	..	:	.50
QUININE—(continued)				
Acetate.....	D	..	:	.88
Arsenate.....	D	..	:	.88
Benzoate.....	D	..	:	.88
Bisulfate, USP.....	D	..	:	.50
Citrate.....	D	..	:	.63
Dihydrate, USP.....	D	..	:	.68
Dihydrate.....	D	..	:	.68
Dicarbonate, 10 oz tins.....	D	2.50	:	
Ethyl Carbonate, 16 oz. tins.....	D	..	:	.91
Ferrocyanide.....	D	..	:	.88
Formate.....	D	..	:	.85
Glycerophosphate.....	D	..	:	.86
Iodide.....	D	..	:	.88
Hydrobromide, USP.....	D	..	:	.61
Hydrochloride, USP.....	D	..	:	.62
Hydrochlorosulfate.....	D	..	:	.66
Hydride & Urea, USP.....	D	..	:	.88
Hypophosphite.....	D	..	:	.83
Lactate.....	D	..	:	.79
Phenylsulfonate.....	D	..	:	.68
Phosphate.....	D	..	:	.74
Salicylate, USP.....	D	..	:	.65
Tannate, USP.....	D	..	:	.65
Tartrate.....	D	..	:	.88
Valerate.....	D	..	:	.89
Small Sizes: 1 oz vials or cans, 50 oz. lots, 5c on extra; 5 oz cans, 50 oz lots 3c on extra; 25 oz cans, 50 oz lots, 2c on extra; single 1 oz vials or cans, 5c extra. All minor quantities sold and quoted basis 100 oz lots in 100 oz cans. Sulfate and bisulfate sold basis 100 oz lots in 100 oz cans. Smaller orders or containers extra as above schedule.				

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Chemicals

SALT, 250 lb. bbls. wks.D .49 : .50	SALTPETRE (Cont.)	SODA ASH (Cont.)
Red Lead, see lead oxide	Less c/l wks. bbls.....D .06% : .06%	e/l wks.100lb ... : 1.45
Red Precipitate, see mercury	Large Crystals, 350-400 lb bbls.,	Fmpt. and spot, Basis 58% bags
Resorcin, see resorcinol.	c/l wks. ....100lb ... : .07%	e/l wks. ....100lb ... : 1.55
Resorcinol tech, 100 lb bags.....D 1.35 : 1.50	Small Crystals, 350-400 lb bbls.,	SODA, CAUSTIC, 76% solid
USP, 25 lb cans .....D 2.25 : 2.35	c/l wks. ....100lb ... : .07	1-4 drums deliv'd NY...100lb ... : 3.91
Rockville Salt, USP, 225 lb bbls...D .20 : .21	Powdered, bbls, c/l wks.....D ... : .07	5 & Up drums deliv'd NY...100lb ... : 3.70
Imp. USP, 300 lb bbls.....D .19 : .20	Imported, 500 lb bbls., NY.....D ... : .08%	Ground & Flake, 76%
Rosewater, triple, 5 gal. dems...gal .90 : 1.10	Santonin, USP, 1 lb bot.....D 150.00 : 153.00	1-4 drums, deliv'd NY...100lb ... : 4.31
Resins, (Sold in 500 lb bbls., gross for net,	Powd. 1 lb bot.....D 153.00 : 157.00	5 & Up drums deliv'd NY...100lb ... : 4.16
B .....280 lb ... : 8.25	Saponin, ex Quillaja, 5 lb tins...D .90 : 1.10	1-4 bbls. deliv'd .....100lb ... : 4.56
D .....280 lb ... : 8.25	Satir White, 500 lb bbls.....D ... : .01%	5 & Up bbls., deliv'd...100lb ... : 4.41
E .....280 lb ... : 8.25	Schaeffer's Salt, 250 lb bbls.wks.D .60 : .65	Contract basis 76% c/l wks.
F .....280 lb ... : 8.30	Scopolamine, see hyoscyne.	100 lb ... : 3.10
G .....280 lb ... : 8.30	Seidlitz Mixture, 225 lb bbls. ..D .16% : .16%	Fmpt. and spot, Basis 76%
H .....280 lb ... : 8.30	SILICA	e/l wks. ....100lb ... : 3.20
I .....280 lb ... : 8.40	Crude, bulk, mases.....ton 10.00 : 12.00	Contract 74% low grade c/l
K .....280 lb ... : 8.45	Refined, treated, bags.....ton 18.00 : 30.00	wks. flat .....100lb ... : 3.02
M .....280 lb ... : 8.50	Air coated, bags.....ton 32.00 : 50.00	Ground & Flake, 76% pmpt. and
N .....280 lb ... : 8.75	Extra. coated, bags.....ton 55.00 : 85.00	spot, wks. c/l drs...100lb ... : 3.60
WG .....280 lb ... : 9.50	SILVER, metal, American.....oz ... : .99%	Contract 76% drums c/l wks.
WW .....280 lb ... : 10.50	Foreign .....oz ... : .60%	flat .....100lb ... : 3.50
quotations based on a unit of 280 lb.)	Colloidal, 16oz bot.....oz ... : 2.80	USP, stick, 10 lb cans.....D .19 : .21
Roan Oil, first run, 50 gal. bbls.gal ... : .45	Silver Iodide, 16oz bot.....oz ... : .69	Pure, stick, by alcohol.....D .25 : .27
Second run, bbl. ....gal .47	Nitrate, 16 oz. bot.....oz .45% : .46%	SODIUM ACETATE, crys. 450 lb bbls.
Rotten Stone, lump imp., bbls...D .07 : .08	Nucleinate, 16oz bot.....oz .34 : .35	wks. ....100lb ... : .05 : .05%
Lump selected, bbls.....D .09 : .12	Proteinates, 16oz bot.....oz .34 : .35	Aluminate, 500 lb bbls, wks...D .07% : .08
Powdered, bbls.....D .02 : .05	Soap, Castile, 40 lb bbs.....D .20 : .25	Aluminum Sulfate, see alumn. soda
Domestic, bags, mines.....ton 24.00 : 30.00	Powd. USP, 250 lb bbls.....D .28 : .29	Arsenite, 4 lb mat. wks. drums.gal .50 : .60
SACCHARIN, USP, 10 lb cans, 25 lb	Green, USP, 150 lb kegs.....D .07 : .07%	Drums, 8 lb material, wks.gal 1.00 : 1.20
bbl 1.75 : 1.85	Soapstone, see Talc, crude	Benzonate, USP, 100 lb bbls...D .62 : .65
Soluble, USP, 10 lb cans, 25 lb.D 1.75 : 1.85	SODA ASH, 58% light	Resales, .....D .61 : .64
Sago Flour, 150 lb bags : .05	1-4 bags, deliv'd NY...100lb ... : 2.19	Bicarbonate, 400 lb bbls.,NY...100lb ... : 2.25
Sal Ammoniac, see Ammon. Chloride	5 & Up bags, deliv'd NY...100lb ... : 2.04	Bbls. c/l wks .....100lb ... : 2.00
Salfin, USP, 1 lb cartons, 25 lb.D 4.75 : 5.00	1-4 bbls., deliv'd NY...100lb ... : 2.44	112 lb kegs wks. ....100lb ... : 2.25
Salol, USP, 100 lb drums.....D .75 : .80	5 & Up bbls., deliv'd NY...100lb ... : 2.29	112 lb kegs. NY .....100lb ... : 2.50
Salt, Common, see sodium chloride	Contract, Basis 58% bags c/l	Richmonts, 600 lb casks wks...D .06% : .07
Salt Cakes, c/l f.o.b. wks.....ton 12.00 : 22.00	wks. ....100lb ... : 1.38	Casks, c/l NY .....D .06% : .07
SALTPETRE, Double Refined	Prompt and spot, Basis 58% bags	Casks, NY .....D .06% : .06%
Granular, 400-500 lb bbls.	c/l wks.100lb ... : 1.48	Bluelite dry powder, 500 lb
c/l wks.D ... : .05	Contract, Basis 58% dense bags	bbls., wks.D .04 : .04%

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Bicarbonate of Soda



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Solvay Tanners Soda

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Chemicals

SODIUM—(Continued)

SODIUM, USP, 450 lb bbls....	D	.48	: .49
Caustic, 50 lb	D	.48	: .49
Imp. USP, 112 cs....	D	.43	: .45
Bromate, 100 lb cs....	D	...	: 1.05
Caedylate, USP, 25 lb	D	5.90	: 6.00
5 lb bot.	D	...	: 6.00
Carbonate, cal soda, 350 lb bbls.	D	1.30	: 1.35
le/ NY	D	1.10	: 1.20
Monohydrate, 400 lb bbl.	D	...	: 2.40
le/ NY	D	...	: 2.40
Pure photographic, 100 lb	D	.08	: .08
Chlorate, 112 lb keg, wks....	D	...	: .06%
Imported, 112 lb kegs....	D	.06%	: .06%
Imp. 450 lb cks....	D	.09	: .09%
Chloride, tech	ton	12.00	: 13.00
C. P., 300 lb bbls....	D	.05	: .06
Chromate, 800 lb bbls....	D	...	: .08
Citrate, USP, IX, 50 lb kegs....	D	...	: .59
USP, VIII, 50 lb kegs....	D	...	: .53
Cyanide, 90-98%, 100 lb cases	D	...	: .22
wks.	D	...	: .22
Ton lots, wks.	D	...	: .19%
75-76%, 100 lb cases, wks....	D	.20	: .20%
125-132%, 200 lb cs....	D	.17	: .18
120-125%, 200 lb cs....	D	.18	: .17
118-120%, 200 lb cs....	D	...	: .09%
Fluoride, 300 lb bbls wks....	D	.09	: .09%
Imp. 350 lb bbls....	D	.09	: .09%
Glycerophosphate, USP, cryst., 25 lb	D	1.40	: 1.50
crs	D	1.45	: 1.60
Powder, 25 lb tins....	D	1.60	: 1.15
Solution, USP, 25 lb tins....	D	...	: .05
Hydroxide, see Soda Caustic	D	...	: .04
Hypochlorite, Soln., 100 lb chys....	D	.23	: .24
14 1/4% soln., 50 lb chys....	D	.35	: .40
Hydrosulfite, 200 lb bbls, rob. wks....	D	...	: .70
For Stripping, 50 lb cans....	D	...	: .75
Hypophosphite USP 25 lb cans	D	...	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pea crys.			
375 lb bbls. wks....	100 lb	2.65	: 3.05
Bbls. c/l wks....	100 lb	...	: 2.50
100 lb kegs wks....	100 lb	2.75	: 3.35
Imp.	100 lb	2.50	: 2.65
Granulated, bbls. wks....	100 lb	2.90	: 3.30
Bbls. c/l wks....	100 lb	...	: 2.75
Kegs. wks....	100 lb	3.00	: 3.60
Regular crystals....	100 lb	2.35	: 2.65
Iodide, USP, 25 lb jars....	D	4.25	: 4.30
Metasilicate, 150 lb bbls....	D	.55	: .70
Naphthionate, 300 lb bbls....	D	.59	: .62
Nitrate, crude, 95%, 300 lb kegs.	D	...	: 2.62
c/l NY	D	...	: 2.62
Future, NY	D	2.64	: 2.66
Doubie Refined 400 lb bbls	D	...	: .04%
gran. c/l wks....	D	...	: .09
Nitrite, 500 lb bbls., spot makers	D	...	: .09%
Imp. 650 lb casks....	D	...	: .09%
Ortho-Chloro-Toluene Sulfonate.	D	...	: .25
175 lb bbls., wks....	D	...	: .39
Oxalate, neutral, 100 lb kegs....	D	...	: .22
Perborate, 275 lb bbls....	D	...	: .03%
Imp. 225 lb drs....	D	...	: .07%
Peroxide, 300 lb cases....	D	...	: .04
Phosphate, di-sodium, tech. 550 lb	D	...	: .06
bbls.,	D	...	: .08
USP, gran. 275 bbls....	D	...	: .12
Imp. gran.	D	...	: .10
USP, recryst. 275 bbls....	D	...	: .26
Mono-sodium, 100 lb kegs....	D	...	: .40
Tri-sodium, tech. c/l bbls....	D	...	: .37
Pieramate, 100 lb kegs....	D	...	: .09
Para-Toluene Sulfonate, 175 lb	D	...	: .10
bbls.	D	...	: .10%
PRUSSIAN, yellow, 350 lb bbls.	D	...	: .26
wks.	D	...	: .40
Imp. 450 lb cks....	D	...	: .40
Pyrophosphate, 100 lb kegs....	D	...	: .40
Salticlate, 100 lb kegs....	D	...	: .40
Second Hands, USP, kegs....	D	...	: .40

SODIUM—(Continued)

BEDUIM—(Continued)			
Silicate, 60° 700 lb bbls., f.a.s.			
NY	100 lb	...	: 2.00
Works, 1000 lb drums.....	100 lb	...	: 1.90
Works, tanks.....	100 lb	...	: 1.70
40° domestic, 700 lb c/l f.a.s.			
wks.	100 lb	...	: .80
Works, 1000 lb drums.....	100 lb	...	: .85
Works, tanks.....	100 lb	...	: .75
Spot, drums, bbls.....	100 lb	1.05	: 1.30
Silicofluoride, 450 lb bbls, NY. D			: .04% : .04%
Sulfate, see Glauber's Salt			
Sulfate, Anhydrous, 550 lb bbls.			
c/l wks.....	D	.03%	: .64
Imp. 250 lb bbls.....	D	.03	: .03%
Sulfide, 65% solid, 650 lb drs.			
le/1 wks.....	D	.04	: .04%
Dr. c/l wks.....	D	.03	: .03%
Imp. 700 lb drs. NY.....	D	...	: .03%
60% broken, 650 lb drs. wks....	D	.04%	: .01
Imp., 500 lb drs, NY.....	D	.03%	: .04
30% crys. 440 lb bbls. wks....	D	.02	: .03%
Imp. 400 lb bbls.....	D	.02	: .03%
Sulfite, crys. 400 lb bbls. wks....	D	.03%	: .03%
Anhydrous, 400 lb bbls.....	D	.09%	: .10
Sulfocarbonate, USP, 100 lb kegs....	D	.35	: .37
kegs	D	.35	: .37
Sulfocyanide, 400 lb bbls.....	D	.45	: .47
Tungstate, crys. 100 lb kegs....	D	.55	: .60
Anhydrous, kegs.....	D	...	: .76
SOLVENT NAPHTHA, 110 gal.			
drz. wks.....	gal	.29	: .30
8000 gal. tank cars, wks gal		.24	: .25
Spartan Sulfate, USP, 25m bulk. cs		.30	: .40
Single cs. vial		...	: .47
Spirits Turpentine, bbls....	gal	.92	: .95
Spruce, 25% liquid tanks wks....	D	.01	: .01%
Powd. 50% 100 lb bags wks....	D	.02	: .03%
starch, rice 140 lb bags.....	D	.09	: .10



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DRUG AND FINE CHEMICAL SECTION

Chemicals

Trippol, 500 lb bbls.....	100 lb	2.50	: 3.00
Tungsten NY.....	WO ₂ unit	...	: 8.80
Turkey Red Oil, bbls.....	D	.11	: .12
Turpentine, see Spirits Turpentine			
Wood, see Wood Turpentine			
Ultramarine Blue.....	D	.15	: .25
UREA, pure, 112 lb cases.....	D	.18	: .20
Valonia Caps, 30-31% tan.....	ton	35.00	: Nom.
Beard, 42% tan, bgs.....	ton	...	: 53.00
Mixtures, 36% tan.....	ton	41.00	: 42.00
VANILLIN, USP, 500 oz. cans.....	oz.	...	: .49 3/4
Cans, 80 ozs.....	oz.	...	: .50
Cans, 16 ozs.....	oz.	...	: .51
Second Hands.....	oz.	.47	: .50
Venetian Red.....	lb	...	: .05
Verdigris, see Copper Subacetate			
Vermillion, Amer. 100 lb kegs.....	lb	.35	: .40
English, bgs.....	lb	1.50	: 1.55
Venatrine Sulfate, 1 oz vial.....	oz.	...	: 1.85
Hydrochloric, 1 oz vial.....	oz.	...	: 1.85
Vernal, see Acid Diethylbarbituric			
Wattle bark, bgs.....	ton	...	: 42.25
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l wks.....	ton	13.00	: 15.00
Bags, c/l NY.....	ton	...	: 18.00
Whiters, bags, NY.....	ton	13.50	: 15.00
French, bags, NY.....	ton	...	: 18.00
English, bags, NY.....	ton	...	: 21.00
Witch Hazel Extract, 50 gal. bbls.....	gal	1.00	: 1.05
Wood Turpentine, stm. dist. bbls.....	gal	.82 1/2	: .85
XYLENE, 3° dist. range, nitration			
dis. wks.....	gal	.45	: .50
110 gal. dis. NY.....	gal	.50	: .55
5° dist. range, 8000 gal. tanks	...	...	...
wks.....	gal	.30	: .31
110 gal. dis. wks.....	gal	.35	: .40
10° dist. range, drums, wks.....	gal	.30	: .35
Tanks, wks.....	gal	.25	: .26
Commercial 110 gal. dis. wks.....	gal	.30	: .31
Tanks, wks.....	gal	.25	: .26
Xylidine.....	lb	.40	: .42

YARA YARA, 1 lb tins.....	D	1.65	: 1.80
Yohimbin Hydrchloride, 1 oz. vial.....	oz.	3.00	: 3.57
Yolk Oil, bbls.....	D	...	: .35
ZINC, METAL, high grade, slabs			
c/l NY.....	100 lb	...	: 8.25
Common Slabs, c/NY.....	100 lb	8.17 1/2	: 8.20
Mossy, 25 lb bbs NY.....	D	...	: .14
Ammonium Chloride, powd., 400 lb	...	...	...
bbls.....	D	.07 3/4	: .08
Carb. tech. 150 lb kegs NY.....	D	...	: .20
USP, 100 lb kegs.....	D	...	: .35
Chloride, fused, 600 lb drs. wks.....	D	...	: .06
Dis. c/l wks.....	D	.04 1/2	: .05
Granulated, 500 lb bbls, wks.....	D	.07	: .07 1/2
Imported, drs. NY.....	D	.07	: .07 1/2
Solution, 50%, tanks wks 100 lb	...	2.25	: 2.50
USP, 25 lb jars.....	D	.27	: .29
Cyanide, 100 lb drs.....	D	.40	: .41
Dust, 100 lb tins, wks.....	D	.09	: .09 1/2
500 lb bbls, kegs, c/l wks.....	D	...	: .10
500 lb bbls, kegs, c/l wks.....	D	...	: .09 1/2
Iodide, 5 lb pots.....	D	...	: 5.28
Nitrate, 25 lb jars.....	D	...	: .45
Oxide, Amer. 300 lb bbls, wks.....	D	.08 1/4	: .08 1/2
French, 300 lb bbls wks.....	D	.10 1/4	: .12 1/4
Bbl c/l wks.....	D	.09 1/4	: .11 1/4
Bags, c/l wks.....	D	.09 1/4	: .10 1/4
USP, 100 lb bbls, c/l.....	D	...	: .17
Ton lots, wks.....	D	...	: .18
Imported, white seal, bbls.....	D	...	: .12
Green seal, bbls.....	D	...	: .10
USP 100 lb bbls.....	D	.15 1/4	: .16
Stearate, USP, 50 lb bbls.....	D	.20 1/4	: .21
Sulfate, 400 lb bbls, wks.....	D	.03 1/4	: .03 1/2
Bbls, c/l wks.....	D	...	: .08
USP, 100 lb kegs.....	D	.08	: .09
Sulfide, 500 lb bbls.....	D	.30	: .33
Sulfocarbonate, 100 lb kegs.....	D	.32	: .35
wks.....	100 lb	1.25	: 1.75

Oils

Castor, No. 1, 400 lb bbls.....	D	.17 1/4	: .18
80 lb cases.....	D	...	: .18 1/4
No. 3, bbls.....	D	.17	: .17 1/4
Blown, 400 lb bbls.....	D	...	: .19
China Wood, bbls, spot NY.....	D	.15 1/4	: .15 1/2
Tanks, Spot, NY.....	D	...	: .15 1/4
Jan. forw. arr. NY bbls.....	D	.15 1/4	: .15 1/2
Cst., tks., Jan. forw.....	D	.13 1/4	: .13 1/2
Coconut Ceylon, 375 lb bbls, NY.....	D	.11 1/4	: .11 1/2
8000 gal. tanks, NY.....	D	.10 1/2	: .10 3/4
Cochin, 375 lb bbls, NY.....	D	.12	: .12 1/4
Tanks, NY.....	D	...	: .11 1/4
Manila tanks, P. Coast.....	D	...	: .09 1/2
Manila, tanks, NY.....	D	...	: .10
Edible, bbls, NY.....	D	.12 1/4	: .13
Cod Newfoundland, 50 gal. bbls.....	gal	.58	: .60
Tanks, NY see Cod Liver Oil under Chemicals	gal	.55	: .56
Cod Liver, see Cod Liver Oil under Chemicals	...	...	...
Copra, bags.....	D	.06	: .06 1/4
Corn, ref., 375 lb bbls, NY.....	D	.14	: .14 1/4
Crude, tanks mills.....	D	.10 1/4	: .10 3/4
Bbls, NY.....	D	...	: .12
Cottonseed, crude, tks., mill.....	D	.09 1/4	: .09 1/2
P. S. Y., 100 bbls, NY.....	D	.11 1/4	: .11 1/2
White, 100 bbls, lots, NY.....	D	...	: .11 1/4
Winter yellow, 100 bbls, NY.....	D	.13 1/4	: .14
Degras, Amer. 50 gal. bbls, NY.....	D	.04 1/4	: .04 1/2
English, light, bbls, NY.....	D	...	: .05 1/4
Brown, bbls, NY.....	D	.04	: .04 1/2
Light brown, bbls, NY.....	D	.04 1/4	: .05
Dark, bbls, NY.....	D	.03 1/4	: .04
Neutral, bbls, NY.....	D	.10	: Nom.
Moellon, bbls, NY.....	gal	...	: .50
Graeses, choice white, bbls, NY.....	D	.12 1/4	: .14
Yellow.....	D	...	: .09 1/4
Brown.....	D	.09	: .09 1/4
House.....	D	...	: .09 1/4
Bone naphtha.....	D	...	: .07

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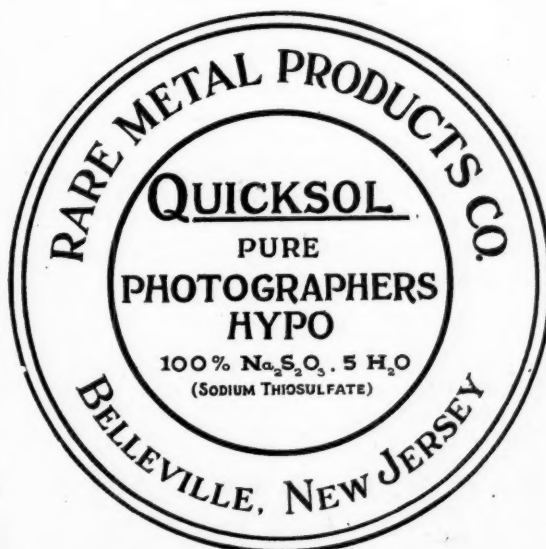
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OILS

Berling, Tanker, Coast.....gal	nom.	Palm Kernel, bbls. NY.....lb	10%
Borse, 375 lb bbls., NY.....lb	nom.	Peanut, refined, bbls., NY.....lb	16
Lard, prime steam, bbls.....lb	18 1/2	Crude, milled buyers' tank.....lb	11 1/2
Compounds, bbls.....lb	13	Crude, bbls., NY.....lb	11 1/2
LARD OIL, Edible, prime, bbls..lb	18 1/2	Perilla, bbls., NY.....lb	15
Off prime, bbls.....lb	18 1/2	Poppyseed, bbls., NY.....gal	2.25
Extra, bbls.....lb	18 1/2	Rapeseed, refined, bbls., NY.....gal	.97
Extra, No. 1, bbls.....lb	14 1/2	Blown, bbls. NY.....gal	1.11
No. 1, bbls.....lb	14 1/2	Red Oil, distilled, bbls.....lb	11 1/2
No. 2, bbls.....lb	18 1/2	Saponified, bbls.....lb	11 1/2
LINSEED, raw c/l bbls., spot..gal	1.15	Tanks.....lb	11
Five bbls., raw.....gal	1.19	Salmon, 8000 gal. tank Coast.....gal	15 1/2
Bottled, 5 bbl. lots.....gal	1.21	Sesame, edible, bbls., Jan forw. arr. lb	15 1/2
Double Bottled, 5 bbl. lots.....gal	1.22	Sod Oil, bbls., NY.....gal	.40
Raw, 1/2 bbls.....gal	1.11	SOYA BEAN, crude, tank, Coast..lb	11 1/2
Tanks.....gal	1.09	Crude, tank, NY.....lb	12 1/2
Jan., Feb., c/l wks.....gal	1.15	Crude, bbls., NY, Jan forw. arr. lb	13 1/2
Mar., Apr., c/l wks.....gal	1.16	Refined, bbls., NY.....lb	14
May-June, c/l wks.....gal	1.17	Sperm, 38° c.t. blchd. bbls. NY. gal	.89
Imported, bbls., NY.....gal	nom.	45° cold test, blchd. bbls. NY. gal	.87
Tanks, NY.....gal	nom.	STEARIC ACID, s.p. 200 lb bags..lb	13
Methaden, crude bbls., wks..lb	nom.	Double pressed, bags.....lb	14
Crude, tanks, Balt.....gal	75	Double pressed bgs., saponified..lb	14
Light strained, bbls., NY.....gal	77	Triple pressed, bgs., distilled..lb	16
Yellow bleached, bbls., NY.....gal	78	Triple pressed, bgs., saponified..lb	16
Extra bleached, bbls., NY.....gal	80	Stearine, oils, bbls.....lb	11 1/2
Blown, bbls., NY.....lb	11	Tallow, edible, tierces.....lb	11 1/2
Nutsfoot, 30° c.t. bbls., NY.....lb	18 1/2	City, extra loose.....lb	10 1/2
Pure, bbls., NY.....lb	18 1/2	Tallow Oil, acidless tank, NY.....lb	12
Extra, bbls., NY.....lb	14 1/2	Bbls., c/l NY.....lb	13 1/2
No. 1, bbls., NY.....lb	14 1/2	Walnut, crude bbls., NY.....lb	77
Oleo Oil, No. 1, bbls., NY.....lb	15 1/2	Whale, nat winter bbls., NY.....gal	.81
No. 2, bbls., NY.....lb	14 1/2	Richd. winter bbls., NY.....gal	.83
No. 3, bbls., NY.....lb	13 1/2	Extra Richd. bbls., NY.....gal	nom.
OLIVE, deacidified bbls., NY.....gal	1.30	Crude, No. 1, tanks Coast.....gal	nom.
Edible, bbls., NY.....gal	2.15	Crude, No. 2, tanks Coast.....gal	nom.
Foots, bbls., NY.....lb	10	Crude, No. 3, tanks Coast.....gal	nom.
Shipments new crop.....lb	.09 1/2		
Palm Lager, 1500 lb casks.....lb	10		
Riger casks.....lb	.09		
Benny old Calabar, casks.....lb	nom.		

Crude Drugs

Aceroides Gum, yel.....lb	.18	.20
ACONITE LEAVES, bales.....lb	.10	.12
Root, USP, bags.....lb	.33	.35
Agar Agar, 1, 200 lb bales.....lb	1.55	1.60
No. 2, bales.....lb	1.50	1.50
No. 3, bales.....lb	1.35	1.35
Agaric, white, cases.....lb	2.75	3.00
Almonds, bitter, bags tank.....lb	.60	.65
Sweet, bags.....lb	.54	.57
Meal, times, boxes.....lb	.24	.26
Aletris Root, bags.....lb	.42	.44
Alkanet Root, bags.....lb	.08	.09
Alons, Barbados, 120 lb bbls..lb	.65	.10
Cape, 400 lb cases.....lb	.08 1/2	.09
Curacao, 100 lb cases.....lb	.10 1/2	.11
Sootrine, whole, 100 lb cases.....lb	.25	.30
Select, cakes, lb.....lb	.35	.37
Althea Root, cut cases.....lb	.45	.47
Whole, bags.....lb	.11	.12
Ambergris, black boxes.....oz	8.00	10.00
Grey, boxes.....oz	25.00	25.00
Ammoniac, tank, bags.....lb	.68	.70
Angelica Root, dom. bags.....lb	.12	.13
Angelica Root, tank, bags.....lb	1.00	1.00
Arabis, Levant bags.....lb	.15	.16
Russian, bags.....lb	.13	.14
Star, cases.....lb	.11	.11 1/2
Spanish, bags.....lb	.15	.15 1/2
Annatto Seed, 200 lb bags.....lb	.21	.23
ARABIC GUM, White, No. 1, 200 lb bags..lb	.20	.27
Seconds, 250 lb bags.....lb	.24	.25
Sorts, amber, 200 lb bbls.....lb	.13	.13 1/2
Food, USP, 300 lb bbls.....lb	.18	.20
Arca Nut, 150 lb bags.....lb	.23	.24
Powd., 200 lb bbls.....lb	.25	.23
Arnica Flowers, bales.....lb	.10	.11
Root, bags.....lb	.25	.30

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Crude Drugs

Amroot, Amer., pwt. bbls....D	.10%	.11	Buckthorn Bark, bags.....D	.05	.05%	Cassia Buds, 66 lb cases.....D	.12%	.13
St. Vincent, pwt., bbls....D	.13	.14	Burdock Root, bags.....D	.13	.15	China, Whole Rolls, cases....D	.07%	.08
Anafida, USP, 250 lb cases....D	.29	.28	Burgundy Pitch, dom., 110 lb stands			Saigon, assort. bales.....D	.30	.31
Pwd., 50 lb bxs.....D	.40	.42	Gross for net.....D	...	.05	Cassia Pistula, baskets.....D	.09	.10
HALM GILEAD BUDS, bags....D	.45	.50	Calabar Beans, bags.....D	...	...	Castile Soap, USP, pwt., 200 lb		
Balsora Herba, bales.....D	...	.14	Calamus Root, bleached cases....D	.33	.35	bbls.....D	.27	.28
HALSANS			Unbleached, bags.....D	.06	.07	Castor Beans, bags.....D	.03	.03%
Copiba, Para, 80 lb cs....D	.43	.45	Calendula Petals, imp. bales....D	.22	.24	Castoreum, 1 lb bot.....D	4.00	4.50
South American, 80 lb cs....D	.46	.48	Calisaya Bark, bales, pwt....D	.25	.26	Catechu Gum, bags.....D	.11	.12
Fir Canada, cans.....D	11.00	11.50	Camphor, see Chemicals			Catnip Herb, bales.....D	.25	.29
Oregon, bbls., cans.....D	1.00	1.10	Canary Seed, Morocco bags....D	.07%	.08	Celery Seed, bales.....D	.30	.30%
Peru, 120 lb cases.....D	2.00	2.10	South American, bags.....D	.07	.07%	Ceresin Wax, white bags.....D	.10%	.11
Idolu, 120 lb cases.....D	1.70	1.80	Candella Wax, bags.....D	.32	.34	Yellow, 200 lb bags.....D	.09	.10
RAMBOO			Cannella Alba Bark, bales....D	.53	.55	CHAMOMILE FLOWERS, Roman		
Ramboo Brier Root, bags....D	.05%	.06	Cannabis, true imp. bags....D	...	...	cases bales.....D	.20	.25
Barberry Bark, tree bales....D	.11	.13	American (no assay) bales....D	.35	.40	Hung. cases bales.....D	.06	.06%
Root, bags.....D	...	...	USP.....D	.60	.70	Charcoal Willow, pwt. bbls....D	.06	.06%
Barberry Bark, bales.....D	.10	.12	Cantharides, Chinese cases.....D	.95	1.00	Wood, pwt. bbls.....D	.04	.05
Wax, bbls.....D	.21	.22	Powdered, boxes.....D	1.15	1.20	Chestnut Bark, bags.....D	.07	.08
Balladonna Leaves, bales.....D	.14	.15	Cantharides, Russian, cases.....D	.85	.90	Herb, bales.....D	.06	.06%
Root, bags.....D	.27	.28	Powdered, boxes.....D	1.00	1.10	Chicle Gum, bags.....D	.82	.85
Wax, refined, cases.....D	.45	.50	Caraway Seed, African, bags....D	.10	.10%	Chiretta, bales.....D	.10	.12
Crude, bags.....D	.28	.30	Dutch, 11 lb bags.....D	.10%	.10%	Cinchona Bark, red quills bales..D	.60	.70
Mezool Gum, Siam, boxes....D	1.30	1.35	Cardamom, bleached, cases.....D	2.00	2.40	Broken bales.....D	.25	.27
Sumatra, 80 lb boxes....D	.25	.27	Decorticated, cases.....D	2.25	2.35	Cinnamon, Ceylon, No. 1, bales..D	.41	.42
Berberis Aquifolium Root, bags—D	.14	.15	Green, grinding, bags.....D	1.65	1.75	No. 2, bales.....D	.38	.39
Bell Root, bags.....D	.28	.30	Carnauba Wax, Flor. bags....D	.39	.42	Gvet, Abyssin horns.....D	2.75	3.75
Bitter Root, 100 lb bags....D	.40	.42	No. 1 N. Country bags.....D	.34	.36	Clover Tops, bags.....D	.17	.18
Blackhaw Bark, root, bales....D	.33	.34	No. 2 N. Country bags.....D	.38	.40	Cigars, Zambar, 155 lb bales..D	.29%	.30
Tree, bales.....D	.15	.16	No. 3 Fatty Gray, bags.....D	.22	.23	Ambonyas, bales.....D	.30	.31
Black Root, bags.....D	.14	.15	No. 3 Chalky, bags.....D	.22	.23	Penang, bales.....D	.40	.42
Black Root, bags.....D	.30	.32	Cascara Amarga, 150 lb bales...D	1.25	1.50	Cochineal, USP, boxes.....D	.45	.47
Bottle Leaves, bales.....D	.20	.21	So-called, bales.....D	.50	.52	Coca Leaves, Huancayo bags....D	...	...
Brown Herb, bales.....D	.08	.09	Cascara Sagrada, bales, 1920-22			Truxillo, bags.....D	...	...
Borage Flowers, bales.....D	.17	.20	bark.....D	.26	.28	Cohosh Root, Black bags.....D	.08	.08%
Erythra Root, bags.....D	.10	.11	1923 bark.....D	.21	.24	Blue, bags.....D	.10	.10%
Black Indian Root, 100 lb bags..D	.40	.42	1924 bark.....D	.14%	.15	Calchicum Root, bags.....D	.07	.08
BUCHU LEAVES, short, 250 lb			Cascarilla Bark, quills bales...D	...	...	Seed, bags.....D	.17	.19
bales.....D	.80	.83	Siftings, bbls.....D	Colocyath, apples, cases, bales..D
Less, bales.....D	.85	.88				Pulp, USP, bales.....D	.28	.30
Long, bales.....D						

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Crude Drugs

Colombo Root, whole bags.....	.08	.08 1/2	Elecampane Root, bags.....	.09	.10	Guaiac Gum, 80 lb cases.....	.42	.44
Caltfoot Leaves, bags.....	.05	.06	Elder Flowers, bags.....	.11	.14	Guarana, tins, cases.....	.60	.65
Cambrey Root, bags.....	.13	.14	Elemi Gum, 80 lb cases.....	.10	.11	GUM, see Arabic Gum, etc.		
Condurango Bark, bales.....	.12	.14	Elm Bark, select 5 lb bundles cases	.27	.28	HELLEBORE ROOT,		
Centum Seeds, bags.....	.13	.14	Grinding, bags.....	.15	.16	Black, bbls.....	.08	.16
Copiba Balsam Para, see Balsams			Powdered, bbls.....	.28	.25	Powdered.....	.15	.17
Copal Gum.....	.13	.13	ERGOT, 150-200 lb bags.....	.60	.65	White, Ford, 250 lb bbls.....	.11	.12
Coriander Seed, Bombay baks.....	.06	.06 1/2	Eucalyptus Leaves, bales.....	.05	.06	Helonias Root, (unclean false)		
Morocco, bags.....	.07	.07 1/2	Euphorbia Pluifera Herb, bags.....	.10	.11	bags.....	.67	.68
Bleached, bags.....	.10 1/2	.11	Euphorbium Gum, cases.....	.25	.27	Hemp Seed, Manchurian bags.....	.04 1/2	.05
Corn Silk, bales.....	.04 1/2	.05 1/2	Powdered, boxes.....	.40	.42	Chilian, bags.....	.04 1/2	.05
Cotton Root Bark, bales.....	.12	.14	Fennel Seed, French, bags.....	.10 1/2	.11	Henbane Leaves, bales, USP.....	.28	.35
Cubage, oz, tins.....	.07	.05	German, bags.....	.15	.17	No assay.....	.26	.27
Cramp Bark, so-called bales.....	.07	.06	Indian, bags.....	.09	.09 1/2	Henna Leaves, bales.....	.09 1/2	.10
True, bags.....	.30	.32	Flax Seed, whole 180 lb bbls.....	13.00	13.50	Powdered.....	.12	.13
Cranesbill Root, bags.....	.16	.18	Ground, 180 lb bbls.....	.07 1/2	.08	Honey, Calif., 120 lb cases.....	.11	.12
CUBED BERRIES, XX bags.....	.60	.65	Fenugreek Seed, 200 lb bags.....	.05	.05 1/2	Hops, N. Y. prime bales.....	.28	.30
Powdered, boxes.....	.63	.65	Fish Berries, 100-125 lb bags.....	.08 1/2	.09	Pacific Coast prime bales.....	.25	.27
Culvers Root, bags.....	.23	.25	Fringe Tree Bark, bags.....	.20	.21	Horehound Herb, bales.....	.00	.10
Cumin Seed, Levant bags.....	.20	.22	Fumigating Pastilles Black, 1 lb			Horsetail Rush, bags.....	...	.15
Malta, bags.....	.18	.18 1/2	tea.....		.05	India Gum, see Karaya		
Morocco, bags.....	.18	.18 1/2	Red, 1 lb, bxs.....	.16	.17	INSECT FLOWERS, open whole		
Cuttlefish Bone, Trieste, straps.....	.13 1/2	.13	GALANGAL ROOT, bags.....	.08	.09	Bales.....	.38	.40
Jewellers, large, straps.....	...	.50	Galbanum Gum, cases.....	.80	.85	Closed whole, bales.....	.40	.43
Small, straps.....	...	.35	Gambier Gum, bags.....	.20	.21	Powdered, pure 200 lb bbls.....	.45	.47
French straps.....	.12 1/2	.13	Gamboge Gum, 160 lb cases.....	.76	.78	Flowers and Stems, 50 p.c.		
Powdered, boxes.....	.13	.14	Powdered, cases.....	.83	.85	200 lb bbls.....	.30	.32
Broken, boxes.....	...	.07	Gelsemium Root, bags.....	.11	.11 1/2	Ipecac Root, Carigera, bags.....	2.15	2.20
Damar Gum, 130 lb cases.....	.27	.28	Gentian Root, bags.....	.08 1/2	.09	Powdered, 200 lb bbls, bxs.....	2.35	2.45
Damiana Leaves, bales.....	.40	.45	Powdered, boxes.....	.13	.14	Kio Whole, bags.....	2.15	2.25
Dandelion Root, Imp., bags.....	.24	.25	Ginger, African, bags.....	.20	.20 1/2	Powdered, 200 lb bbls, bxs.....	2.35	2.45
Deer Tongue Leaves, bales.....	.09	.09 1/2	Jamaica, grinding, bags, bbls.....	.26	.32	Lingnass, American, 130 lb cases.....	.75	.80
Digitalis Leaves, bales.....	.09	.10	Japan, bags.....	.16 1/2	.17	Lusidan (Beluga) bxs, cases.....	4.00	4.50
Dill Seed, bags.....	.06	.07	Cochin, ABC & Lemon, bags.....	.21 1/2	.22	JABORANDI LEAVES, bales.....	.10	.10 1/2
Dogwood Bark, Jamaica bags.....	.10	.11	Hueng Root, cultivated, bags.....	8.00	10.00	Jalap Root, whole, 150 lb bags.....	.29	.35
American, bales.....	.07	.08	Northwestern Wild, bags.....	12.00	14.00	Powdered, USP, 250 lb bbls.....	.34	.36
Dograsa Root, USP, cut bags.....	.10	.11	Southern Wild, bags.....	9.00	11.00	Japan Wax, White, bags.....	.15 1/2	.16
Dragons Blood, mass cases.....	.65	.70	Golden Seal Root, bags.....	3.50	3.70	Job's Tears, White, bags.....	...	...
Reeds, boxes.....	.75	.80	Powdered, boxes.....	4.00	4.10	Juniper Berries, 125 lb bags.....	.05 1/2	.08
ECHINACEA ROOT, bags.....	.31	.33	Grains of Paradise, bags.....	.15	.16	KANALA, boxes.....	1.05	1.10
			Grindelia Robusta Herb, bales.....	.07 1/2	.08 1/2	Karaya Gum, powdered, bbls.....	.10	.18

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Crude Drugs

Kava Kava Root, bags.....lb	.12	.12%	Matico Leaves, bales.....lb	.12	.13	Orange Flowers, cases.....lb	.50	1.00
Kine Gum, black cases.....lb	.50	.55	Mezerion Bark, bags.....lb	.11	.12	Orange Peel, bitter, bags.....lb	.07%	.07%
Kola Nuts, 150 lb bags.....lb	.04%	.05	Millet Seed, dom. yellow bags.....lb	.04	.04%	Sweet, bags.....lb	.10	.10%
Kosmo Flowers, bags.....lb	1.50	1.75	Montan Wax, crude bags.....lb	.05%	.06	ORRIS ROOT, Florentine bold bags.....lb	.08	.09
LADY SLIPPER ROOT, bags.....lb	.50	.55	Bleached.....lb	..	..	Powdered, 200 lb bbls.....lb	.11	.12
Laripour Seed, bags.....lb	3.00	3.50	Moss, Iceland bales.....lb	.07%	.08	Verona, bags.....lb	.07	.08
Laurel Leaves, bales.....lb	.05	.05%	Irish, bleached, bales.....lb	.09	.09%	Powdered, 200 lb bbls.....lb	.09	.10
Lavender Flowers, ordinary.....lb	.22	.24	Selectet, bales.....lb	.12	.13	Fingers, cane.....lb	.50	.55
Selected.....lb	.28	.38	Mullein Flowers, tins.....lb	.90	1.00	Ozokerite Wax, brown hard bags.....lb	.22	.24
Leeches, tubs.....Per 100	4.00	5.00	Musk, pods, Carbadine, tins.....oz	16.00	17.00	Green, hard bags.....lb	.27	.28
Lemon Peel, bags.....lb	.08	.09	Tonquin.....oz	22.00	25.00	Refined, yellow bags.....lb	..	..
Licorice Root, Russian, whole.....lb	.07	.07%	Grain Cab.....oz	35.00	26.00	PAPRIKA, bags.....lb	.18	.24
Spanish, natural bales.....lb	.08%	.09	Tonquin.....oz	35.00	38.00	Hungarian.....lb	.26	.28
Powdered, bbls.....lb	.09	.09%	Synthetic, see Chemicals	..	..	Paredra Brava Root, bags.....lb	.13	.14
Selected, 2 & 5 lb bundles.....lb	.14	.17	Musk Root, Russian, bags.....lb	2.00	2.10	Parale Seed, bags.....lb	.09	.10
Cuttings, 125 lb bags.....lb	.06	.06%	Mustard Seed, Bari brown bags.....lb	.12	.12%	Patchouli, Leaves, bales.....lb	.16	.18
Greek, 150 lb bales.....lb	.03	.03%	Bombay, brown.....lb	.09	.10	Peunroyal Herb, bales.....lb	.08	.12
Life Everlasting Herbs, bales.....lb	.05	.06	California, brown.....lb	.11%	.11%	Pepper, black Ring, bags.....lb	.13%	.14%
Lime Juice, clarified bbls.....gal	.60	.65	Yellow.....lb	..	.11%	White, bags.....lb	.18%	.19
Linden Flowers, with leaves, bales.....lb	.10	.11	Chinese yellow.....lb	.06	.06%	Peppers, red Momhosa, bags.....lb	.10%	.11
Without Leaves, bales.....lb	.17	.18	English, yellow.....lb	.09%	.10	Cherries, bags.....lb	.14	.16
Liverwort Leaves, bales.....lb	.19	.20	Dutch, yellow.....lb	.08%	.08%	Bombay, bags.....lb	.12	.14
Lobelia Herb bales.....lb	.40	.42	Danish, yellow.....lb	.08%	.09	Japan, bags.....lb	.22	.24
Lobelia Seed, bags.....lb	.62	.65	Myrrh Gum, select 200 lb cs.....lb	.24	.26	Peppermint Leaves, imp. bales.....lb	.22	.24
Lorag Root, Imported, bags.....lb	.18	.20	Soris, cases.....lb	.20	.22	Cuts, bales.....lb	.13	.14
Lupulin, tins.....lb	1.55	1.60	MUTGALLS, Chinese, bags.....lb	.17	.18	Domestic leaf.....lb	.18	.19
Lycopodium, 88 lb cs.....lb	.95	1.10	Aleppy, bags.....lb	.14	.15	Peru Balsam, see Balsams	..	..
MACE, Blaw, No. 1.....lb	.87	.90	Nutmegs, 110s cases.....lb	.55	.57	Pichi Leaves, bags.....lb	.22	.25
Randa, No. 1 cases.....lb	.92	.94	Ysa, 80s, cases.....lb	.59	.61	Pimento, select bags.....lb	.08	.08%
Betavia, No. 2 cases.....lb	..	..	Nux Vomica Buttons, bags.....lb	.05	.05%	Pink Root, true bags.....lb	.80	.85
West India, cases.....lb	.75	.77	Powdered, 200 lb bbls.....lb	.08	.09	Pitch, Burgundy, see Burgundy Pitch	..	..
Mala Flowers, blue bales.....lb	.35	.37	BAK BARK, red bags.....lb	.05	.06	Plantain Leaves, bales.....lb	..	.15
Black, bales.....lb	.55	.60	White, bags.....lb	.06	.07	Pleurisy Root, bags.....lb	..	.22
Manna, large flake cases.....lb	.82	.85	Olibanum Gum, sift 250 lb cases.....lb	.11	.11%	Poke Berries, bags.....lb	..	.15
Small flake, cases.....lb	.45	.48	Tears, 250 lb cases.....lb	.11	.11%	Poke Root, bags.....lb	.10	.10%
Soris, cases.....lb	..	.50	No. 1, all white 250 lb cases.....lb	.22	.23	Pomegranate Bark, of root bags.....lb	..	.30
Mandrake Root, bags.....lb	.11	.12	Optum, gum, USP, cases.....lb	12.00	13.00	Of Fruit, bags.....lb	..	.30
Marjoram Leaves, German, bales.....lb	.29	.31	Granular, cans.....lb	13.00	14.00	Of Tree.....lb	..	.30
French, bales.....lb	.40	.45	Powdered, USP, cans.....lb	13.00	14.00	Poppy Flowers, red bags.....lb	.25	..
Mastic Gum, 120 lb cans.....lb	.55	.57



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Germans, bags..... D	.10½ : .11	Raw Palmetto Berries, bags..... D	.08½ : .09	Squaw Vine, bales..... D	.18 : .20
Turkish, bags..... D	.09½ : .10	Scammony Resin, boxes..... D	1.20 : 1.30	Squilla, white..... D	.05 : .08
Blue Indian, bags..... D	..... : ..	Scammony Root, bags..... D	.06½ : .07	Powdered, bulk..... D	.12 : .14
White Indian, bags..... D	.08 : .08½	Senega Root, bags..... D	.58 : .59	Stavesacre Seed, bags..... D : ..
Prickly Ash Bark, Southern, bags..... D	.26 : .28	SENNA, Alex 150 lb cases..... D	.21 : .23	Sticklac, Siam, 250 lb bales..... D	.46 : .48
Prickly Ash Berries, bags..... D	.14 : .16	Half Leaf, 350 lb bales..... D	.13 : .15	Stillingia Root, bags..... D	.11½ : .12
Prince's Pine, bales..... D	.25 : .30	Siftings, 400 lb bales..... D	.10 : .11	Stone Root, bags..... D	.09 : .10
Pulmatilla Herb, bags..... D	.16 : .18	Powdered, 200 lb bbls..... D	.14 : .14½	Styrax, liquid artif. D	.45 : .60
Pumpkin Seed, bags..... D	.14 : .16	Timevelly, job 350 lb bbls..... D	.11 : .14½	Gen. USP..... D	.65 : .75
QUASSIA CHIPS, bags..... D	.07 : .07½	Grinding, 350 bales..... D	.05 : .07	St. Ignatius Beans, bags..... D	.12 : .13
Queen of the Meadow Herb, bags..... D	..... : .08	Powdered, 200 lb bbls..... D	.14 : .14½	St. John's Bread, bags..... D	.03 : .05
Quince Seed, bags..... D	.78 : .90	Pods, 350 lb bales..... D	.13 : .14	Stramonium Leaves, bales..... D	.07½ : .08
RAPE SEED, South Amer. bags..... D	.06 : .06½	Serpentaria Root, bags..... D	.82 : .84	Stramonium Seed, bags..... D	.12 : .13
Dutch, bags..... D	.07 : .07½	Shellac, D.C., bags..... D	.82 : .83	Strophanthus Seed, Hispidus..... D	.50 : .60
Japanese, small, bags..... D	.06 : .06½	V.S.O. bags..... D	.82 : .83	Kombe, bags..... D	.55 : .65
Raspberries, dried boxes..... D	.56 : .60	Superfine, Orange, bags..... D	.67 : .69	Sundewer Seed, domestic bags..... D	.06 : .06½
Red Saunders..... D	.17 : .19	Fine, bags..... D	.66 : .68	South American, bags..... D	.05 : .05½
Rhatany Root, bags..... D	.09 : .10	T.N., bags..... D	.62 : .64	TAGALDER BARK, bags..... D	.05 : .08
RHUBARB, Root, H.D., cases..... D	.36 : .36	Garnet, A. C..... D	.61 : .63	Tamarinds, bbls..... D	.05 : .05½
Powdered, 200 lb bags..... D	.42 : .44	Button bags..... D	.79 : .81	Keps..... D	..... : 3.50
Rosemary Leaves, bales..... D	.04½ : .05	Bleached, ground, bbls..... D	.61 : .63	Tansy Herb, bales..... D	.18 : .19
Rosemary Flowers, cases bales..... D	.25 : .28	Bone Dry, bbls..... D	.70 : .72	Tar, Barbados, 50 gal. bbls..... gal	1.40 : 1.50
Rose Petals, pale..... D	.27 : .30	Sideritis Herb, cut bags..... D	.15 : .18	Thus Gum, 280 lb bbls..... D	.07½ : .08
Red..... D	.95 : 1.00	Simaruba Bark, bales..... D	.07 : .08	Thyme, Spanish bales..... D	.08 : .08½
Rue Herb, bales..... D	.18 : .22	Skullcap Leaves, Eastern, bales..... D	.66 : .70	French, bales..... D	.11 : .11½
SABADILLA SEED, bags..... D	.13½ : .15	Western, bales..... D	.34 : .38	Tilia, see Linden	
Powder, bbls..... D	.18 : .19	Rice Berries, bags..... D	.08 : .04	Tolu Balsam, see Balsams	
Saffron Flowers, Amer. bales..... D	.60 : .64	Snake Root, Canada natural, bags..... D	.35 : .37	Tonga Bark, bags..... D	.27 : .29
Valencia, 1 lb cans..... D	42.00 : 44.00	Stripped, bags..... D	.50 : .65	Tonka Beans, Angustura, cases..... D	2.15 : 2.35
Sage, Dalmatian bales..... D	.06 : .05½	SOAP BARK, whole, 150-200 lb bales..... D	.10 : .11	Para, cases..... D	.90 : 1.00
Greek, bales..... D	.04½ : .05	Cut, 125-175 lb bags..... D	.10½ : .11	Surinam, cases..... D : ..
Spanish, bales..... D	.03 : .03½	Crushed, 200 lb bbls..... D	.11 : .12	Tragacanth Gum, No. 1, ribbon	
Sassafras, chips bags..... D	.17 : .18	Powdered, 200 lb bbls..... D	.14 : .15	No. 2 to No. 6, cases..... D	1.15 : 1.20
Ground, bags..... D	.21 : .22	Spearmint Leaves, American bales..... D	.15 : .22	Powdered, 50 lb boxes..... D	.90 : 1.16
Sandara Gum, 300 lb bbls..... D	.44 : .48	Spermaceti, blocks, cases..... D	.43 : .50	Turkish, cases..... D	.80 : .83
Sarsaparilla Root, Honduras, bales..... D	.65 : .70	Spikenard Root, bags..... D	.25 : .26		.70 : .85
Medican..... D	.19 : .21				
Sassafras Bark, ordinary bales..... D	.15 : .17				
Select, bales..... D	.29 : .31				

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1.50					
.20	Turmeric Root, Madras bags.....	.13	: .13 1/2		
.06	Alsepy, bags.....	.11	: .11 1/2		
.14	Powdered.....	.12	: .13		
...	China, bags.....	.09	: .09 1/2		
.48	Turpentine, Venice, true 80 lb cs....	.15	: .16		
.12	Artificial, 80 lb cases.....	.11	: .13		
.13	Spirits, see Naval Stores				
.10	UNICORN ROOT, false, see Heloni				
	True, see Aletris				
.60	Uva Ursi Leaves, bales.....	.04 1/2	: .05		
.75	VALERIAN ROOT, Belgian bags.....	.23	: .50		
.13	Vanilla Beans Mex. whole cases.....	11.00	: 12.00		
.05	Cuts, cases.....	9.00	: 9.50		
.08	Bourbon, cases.....	9.00	: 9.50		
.08	South American, cases.....	...			
.13	Tahiti, yellow label cases.....	7.00	: 7.50		
.60	Green Label, cases.....	...			
.65	Vetiver Root, 100 lb bags.....	.25	: .26		
.06 1/2	Violet Flowers, bags.....	.80	: .95		
.05 1/2	WANGU BARK, of root bags.....	.86	: .90		
.06	Of Tree, bags.....	.35	: .37		
.05 1/2	White Pine Bark, rosed, bags.....	.07 1/2	: .08		
3.00	White Poplar Bark, bags.....	.06	: .07		
.19	Wild Cherry Bark, thin green				
1.50	Rosed, bales.....	.12	: .13		
.08	Thick Rosed, bales.....	.08	: .09		
.08 1/2	Thin Natural, bales.....	.09	: .09 1/2		
.11 1/2	Thick Natural, bales.....	.05	: .06		
	Willow, bark bags.....	...			
	White, bags.....	...			
.29	Witch Hazel Bark, bags.....	.07	: .08		
.25	Witch Hazel Leaves, bales.....	.07 1/2	: .08		
3.00	Worm Seed, American bags.....	.08 1/2	: .09		
	Lemongrass, bags.....	2.75	: 4.00		
	Wormwood Herb, imported bales.....	...			
	Yucca Gum, red.....	.04	: .04 1/2		
	Ground.....	.05 1/2	: .06 1/2		
.20	YELLOW DOCK ROOT, bags.....	.12	: .14		
.16	Yellow Parilla Root, bags.....	.16	: .17		
.82	Yuba Santa, bags.....	.09	: .09 1/2		
.85	Zedoary Root, bags.....	.11	: .12		

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Almond Bitter USP, 5 lb bot.....	3.15	: 3.25
Bitter ff PA 5 lb bots.....	3.25	: 3.50
Sweet, 5 lb cans.....	.85	: .90
Peach Kernel, 55 lb tins.....	.28	: .30
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.....	.70	: .75
Rectified, 25 lb tins.....	.85	: .90
Angelica Root, 1 lb bot.....	28.00	: 30.00
ANISE, Tech., 66 lb case.....	.55	: .57
USP, 50 lb tins.....	.60	: .62
Bay, 25 lb tins.....	2.20	: 2.35
Terpeness.....	6.00	: 6.50
Bergamot, 25 lb coppers.....	3.45	: 4.00
Terpeness.....	12.00	: 12.50
Artificial, 25 lb cans.....	2.20	: 2.35
Birch Tar, rect. 5 lb bot.....	.75	: .80
Crude, 50 lb tins.....	.30	: .50
Bols de Rose, 25 lb tins.....	4.75	: 5.00
Cade, 25 lb cans.....	.35	: .40
Cajuput, native, 50 lb tins.....	.75	: .80
Calamus, 5 lb bot.....	4.20	: 4.65
Camphor, heavy, 1000 lb drums.....	.14 1/2	: .15
Japanese, white, 72 lb cases.....	.14	: .14 1/2
White, 1000 lb drums.....	.13 1/2	: .14
Cananga, native 25 lb tins.....	2.00	: 2.25
Rectified, 25 lb tins.....	2.50	: 3.00
Caraway, USP.....	2.75	: 2.85
Cardamom, USP, 1 lb lot.....	36.00	: 38.00
Carrot, 5 lb bot.....	9.50	: 10.50
Cascarilla, USP, 1 lb bot.....	50.00	: 52.00
CASSIA, 80-85 p.c. 400 lb drms.....	2.15	: 2.25
Redistilled, USP, 50 lb cans.....	2.60	: 2.70
Cedar Leaf, 50 lb tins.....	.85	: .95
Cedar Wood, light 100 lb drums.....	.50	: .85
Celery, 1 lb bot.....	10.00	: 11.00
Chaulmoogra, 80 lb cases.....	.85	: .90
Cinnamon, Ceylon, 1 lb bot.....	11.00	: 12.50
Leaf, 5 lb bot.....	1.40	: 1.50

CITRONELLA, Ceylon.....		
1000 lb drums.....	.74	: .81
50 lb tins.....	.77	: .84
Java, 400 lb drums.....	...	
50 lb tins.....	...	
Cloves, USP, 50 lb cans.....	2.00	: 2.10
6 lb bot.....	2.10	: 2.20
Copaiba, USP, 25 lb tins.....	.42	: .45
Coriander, USP, 1 lb bot.....	10.75	: 11.00
Croton, USP, 25 lb tins.....	.95	: 1.00
Cubeba, USP, 5 lb bot.....	4.50	: 4.75
Cumin, 1 lb bot.....	11.00	: 11.50
Dill, 1 lb bot.....	4.25	: 4.50
Erigeron, 20 lb tins.....	3.75	: 4.00
EUCALYPTUS, Austl. USP,		
56 lb cs.....	.59	: .61
500 lb drums.....	.57	: .59
Fennel, USP, 25 lb tins.....	.90	: 1.10
Geranium, Algerian, 25 lb tins.....	7.25	: 7.75
Bourbon, 25 lb tins.....	7.00	: 7.50
Turkish, 25 lb tins.....	4.25	: 4.50
Ginger, 1 lb bot.....	12.00	: 13.00
Hemlock, 50 lb cans.....	.82	: .85
Gingergrass, 28 lb tins.....	3.00	: 3.25
Juniper Berries, USP, 25 lb tins.....	1.90	: 2.00
Wool, 50 lb tins.....	.50	: .60
Lavender, USP, 24 lb tins.....	5.25	: 7.50
Spice, Spanish, 50 lb cans.....	1.10	: 1.75
LEMON, Ital. USP, 25 lb tins.....	.97 1/2	: 1.15
Terpeness.....	10.50	: 11.50
American, USP, 25 lb tins.....	.85	: .90
Lemongrass, native, 50 lb cans.....	1.25	: 1.35
Limes, Express, 25 lb tins.....	2.25	: 2.35
Distilled, 25 lb tins.....	1.20	: 1.35
Linaloe, Mex. 80 lb cases.....	3.85	: 4.10
Mace, distilled, 50 lb tins.....	1.50	: 1.60
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....	...	: 14.00
Artif., USP, 1 lb bot.....	2.85	: 3.00
Neroli, Bigarade, 1/2 & 1 lb bot.....	40.00	: 60.00
Petale, 1 lb bot.....	90.00	: 120.00
Artificial, 1 lb bot.....	10.00	: 25.00

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Nutmeg, USP, 25 lb tins	1.50	: 1.60
Orange, bitter, 25 lb tins	2.60	: 2.75
Sweet, W. Ind., 25 lb tins	2.70	: 2.80
Italian, 25 lb cop.	2.85	: 3.10
Terpeneless,	60.00	: 64.00
American, 25 lb tins	2.75	: 2.80
Distilled, 25 lb tins	1.40	: 1.50
Spanish, 25 lb tins	2.80	: 2.90
Origanum, 50 lb cans tech.	.30	: .35
Parsley, 1 lb bot.	3.50	: 4.00
Patchouli, 5 lb bot.	4.50	: 5.50
Pennyroyal, dom., 25 lb tins	2.00	: 2.15
Imported, 25 lb tins	1.65	: 1.70
PEPPERMINT, nat., 60 lb cases	11.00	: 11.25
Medic., USP, 60 lb cases	11.50	: 11.75
Petit Grain, S. A., 25 lb tins	2.10	: 2.20
French, 1 lb bot.	7.00	: 8.00
Italian, 25 lb tins	2.25	: 2.35
Pimento, 25 lb tins	2.50	: 2.60
Pinus Sylvestris, 25 lb tins	...	: 1.40
Pumilio, USP, 25 lb tins	...	: 2.25
Rose, Fr., 5, 16 & 32 oz. pkgs.	...	: 9.00
Bulg., 8, 16 & 32 oz. pkgs.	8.00	: 9.00
Artificial, 1 lb bot.	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins	.42	: .46
1000 lb drums	.35	: .40
Tech., 27 1/2 lb tins	.35	: .40
Rue, 1 lb bot.	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases	7.00	: 7.25
W. Indian (Amyris) 25 lb tins	2.60	: 2.70
Sassafras, USP, 50 lb cans	1.20	: 1.30
Artificial, 1000 lb drs., 60 lb cans	.34	: .36
Savin, 5 lb tins	2.25	: 2.40
Spearmint, USP, 60 lb cases	4.25	: 4.50
Spruce, 50 lb tins	.82	: .85
Tansy Amer., 20 lb tins	3.20	: 3.30
Tar, 50 gal. bbls.	.25	: .26
Refined, USP, 25 lb tins	...	: ...
Thyme, red, USP, 25 lb tins	.85	: 1.00
White, USP, 25 lb tins	1.00	: 1.10
Tech., 110 lb drums	.30	: .35

Vetiver, Bourbon 1 lb bot.	12.00	: 14.00
Indian, 1 lb bot.	30.00	: 32.00
Java, 1 lb bot.	20.00	: 22.00
Wine, heavy 1 lb bot.	...	: 1.50
WINTERGREEN		
Sweet bch., 25 lb tins	2.50	: 3.00
Southern, 25 lb tins	1.85	: 2.00
Gaultheria, true 25 lb tins	7.00	: 8.00
Southern, 25 lb tins	3.75	: 4.00
Synthetic, USP, 50 lb cans	...	: .47
Wormseed, Balt., USP, 25 lb tins	3.25	: 3.35
Wormwood, dom., 25 lb tins	4.00	: 4.50
Ylang Ylang, Bourbon 10 lb tins		
No. 1	7.00	: 8.00
No. 2	6.00	: 7.00
Manila, 1 lb bot.	28.00	: 40.00
Artificial, 1 lb bot.	10.00	: 12.00

OLEORESINS

Aspidium, USP, 1 lb bot.	2.75	: 3.00
Capadecum, USP, 5 lb bot.	2.50	: 2.75
Cobeb, USP, 1 lb bot.	4.00	: 4.50
Ginger, 5 lb bot.	4.25	: 4.75
Malefern, See Aspidium		
Orris 1 lb bot.	15.00	: 18.00
Pepper, black, USP, 1 lb bot.	3.50	: 4.00
Vanilla, 1 lb bot.	22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.	1.35	: 1.75
Borneol, 1 lb bot.	...	: 3.50
CITRAL, 25 lb cans	3.00	: 3.50
Citronellal, 1 lb bot.	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans	...	: .90
Fugenol, USP, 25 lb cans	3.25	: 3.50
Geraniol, Domestic, 50 lb cans	4.00	: 4.25
Imported, 5 lb bot.	4.50	: 5.00
Isa-Eugenol, 1 lb bot.	4.00	: 4.50
Imported	5.25	: 6.25

Linalool, 5 lb bot.	6.00	: 6.25
From Bois de Rose, 5 lb bot.	7.00	: 7.50
MENTHOL, 60 lb cases	...	: 12.25
Less cases, 5 lb cans	...	: 12.75
Rhodinol, 1 lb bot.	18.00	: 21.00
Extra, 1 lb bot.	40.00	: 47.00
SAFNOL, 60 lb cans	.45	: .47
Thymol, USP, 25 lb tins	5.00	: 5.25

SYNTHETIC AROMATICS

Acetophenone, CP, 1 lb bot.	3.50	: 3.75
Acetophenone, CP, 1 lb bot.	4.25	: 4.50
Aldehyde, C-8 (Octyl) 1 lb bot.	45.00	: 60.00
C-9 (Nonyl), 1 lb bot.	70.00	: 75.00
C-10 (Decyl), 1 lb bot.	50.00	: 58.00
C-12 (Dodecyl), 1 lb bot.	27.50	: 32.50
C-14, 1 lb bot.	22.50	: 25.00
C-16, 1 lb bot.	70.00	: 80.00
Auopine, see Anisic Aldehyde		
Amyl Acetate, pure 5 gal. cans	4.00	: 4.25
Butyrate, 1 lb bot.	2.00	: 2.25
Cinnamate 1 lb bot.	4.00	: 4.50
Formate, 1 lb bot.	1.75	: 2.00
Phenyl Acetate, 1 lb bot.	4.50	: 5.00
SALICYLATE, dom. 100 lb		
chys.	1.45	: 1.50
Imported	2.25	: 2.50
Valerate, 5 lb bot.	3.25	: 3.50
Anisic Aldehyde, 1 lb bot.	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb chys.	1.40	: 1.50
FFC, 40 lb chys.	1.50	: 1.65
Benzole Ether, See Ethyl Benzoate		
Benzophenone, 1 lb bot.	4.50	: 5.00
Benzyl Acetate, 100 lb chys.	1.55	: 1.75
Alcohol, 5 lb bot.	1.45	: 1.55
BENZONATE, 5 lb bot.	1.60	: 1.75
Medicinal FFC	1.75	: 2.00
Butyrate, C.P., 1 lb bot.	6.00	: 6.50
Cinnamate, 1 lb bot.	10.00	: 10.50
Formate, 1 lb bot.	3.25	: 3.50

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Aromatic Chemicals

Benzyl Propionate, 1 lb bot.....lb	5.00	5.25	Iso-Safrol, 1 lb bot. imported.....lb	5.00	5.25	Terpinyl Acetate, 25 lb cans.....lb	1.65	1.80
Benzyl Acetate, 1 lb bot.....lb	3.75	4.00	Domestic, 5 lb bot.....lb	4.00	4.25	Imported, 25 lb cans.....lb	1.90	2.20
Brometyl, 25 lb cans.....lb	3.50	4.00	Linalyl Acetate, 1 lb bot. Dom.....lb	8.00	9.50	TERPINEOL, CP, 1000 lb drums.....lb	.42	.44
Butyl Anthranilate, 1 lb bot. dom. lb	...	16.00	Imp., 1 lb bot.....lb	8.00	8.50	Cans. 50 lb.....lb	.47	.49
Butyl Ether, See Ethyl Butyrate			Benzoate, 1 lb bot.....lb	13.00	14.00	Absolute, 25 lb cans.....lb	.80	.90
Cinnamic Acid, 5 lb cans.....lb	3.25	3.50	Formate, 5 lb bot.....lb	10.50	12.00	Imported, 25 lb cans.....lb	.50	.55
Alcohol, liquid 1 lb bot.....lb	9.00	9.50	Methyl Acetophenone.....lb	3.25	3.50	VANILLIN, USP, 500 oz. cans.....lb	...	.40%
CrySTALLIZABLE.....lb	9.50	10.00	ANTHRANILATE dom., 1 lb bot.....lb	2.50	3.00	Cans. 16 oz., 80 oz.....oz	.50	.51
Aldehyde.....lb	3.50	3.75	1 lb bot.....lb	2.50	3.00	Second Hands.....oz	.47	.50
CITRONELLOL, 1 lb bot.....lb	9.00	11.00	Imported.....lb	8.00	9.25	Valerianic Ether, See Ethyl Valerate		
Imported, 1 lb bot.....lb	10.00	12.00	Benzoate, 5 lb bot. import.....lb	2.00	2.25	Yara Yara, 1 lb cans.....lb	1.65	1.80
Citronellyl Acetate, 1 lb bot.....lb	13.00	14.00	Domestic, 5 lb bot.....lb	1.75	2.00	PERFUMERS' SUNDRIES		
COUMARIN, 25 lb cans.....lb	3.25	3.45	Cinnamate, 1 lb bot.....lb	3.50	3.75	Almond Meal, 25 lb cans.....lb	.28	.30
DIETHYL PHTHALATE, 25 lb cans.....lb	.40	.45	Heptenone, 1 lb bot.....lb	8.00	8.25	Ambergris, black, hzs.....oz	8.00	10.00
1000 lb drs.....lb	.55	.40	Paracresol, 1 lb bot.....lb	8.00	9.00	Ambergris, gray, hzs.....oz	...	23.00
Diphenylsulfide, 25 lb tins.....lb	.85	.90	Phenylacetate, 5 lb bot. dom.....lb	3.75	4.00	Balsam Copaiba, Para 80 lb cases.....lb	.43	.45
Ethyl Acetate, pure, 5 lb bot.....lb	.45	.50	SALICYLATE, USP 500 lb			South American, 80 lb cases.....lb	.46	.48
Benzoate, 5 lb bot.....lb	1.85	2.00	drums.....lb	...	.45	Peru, 120 lb cases.....lb	2.00	2.10
Butyrate, 5 lb bot.....lb	2.25	2.50	50 lb cases.....lb	...	.47	Tolu, 90 lb cases.....lb	1.70	1.80
Caproate, 1 lb bot.....lb	3.25	3.50	Second Hands.....lb	.44	.45	Benzoin Gum, Siam, hzs.....lb	1.30	1.35
Cinnamate, 1 lb bot.....lb	3.50	3.75	Mirbane, rect., 1000 lb drums.....lb	.12	.14	Castoreum, 1 lb bot.....lb	4.00	4.50
Formate, 5 lb bot.....lb	1.25	1.50	Musk Ambrette, 1 lb cans.....lb	11.75	12.25	Chalk, precip. light, 175 lb bbls.....lb	.04%	.05
Ethyl-methyl Paracresol, 1 lb bot.....lb	3.25	3.50	Ketone, 1 lb cans.....lb	14.50	15.00	Cherry Laurel Water, 5 gal cans.....gal	1.15	1.25
Phenylacetate, 5 lb bot.....lb	3.75	4.00	Xylene, 5 lb cans.....lb	3.65	3.80	Civet Abyssinia, horns.....oz	2.75	3.75
Propionate, 1 lb bot.....lb	2.25	2.50	Nerolin, 1 lb cans.....lb	1.65	1.80	Labdanum, 5 lb bot.....lb	...	8.00
Valerate, 5 lb bot.....lb	4.50	4.75	Oenanthe Ether, 1 lb bot.....lb	2.25	2.50	Lanolin hydrous, 350 lb bbls.....lb	.15	.21
Salicylate, 5 lb bot.....lb	3.25	3.50	Para-Cymene, Refd., 110 gal. drs.....gal	2.25	2.50	Andros, 350 lb bbls.....lb	.18	.23
Formic Ether, See Ethyl Formate			Phenylacetaldehyde, Dom.,			Musk pods, Cabardine, tins.....oz	16.00	17.00
Geranyl Acetate, 1 lb bot.....lb	5.00	5.50	1 lb. bot. 50 p.c.....lb	8.00	8.50	Tonquin, tins.....oz	22.00	25.00
Butyrate, 1 lb bot.....lb	13.00	13.50	Imported, 50 p.c.....lb	7.00	7.50	Grains, Cabardine, tins.....oz	25.00	26.00
Formate, 1 lb bot.....lb	12.00	12.50	80-85 p.c.....lb	14.00	16.00	Tonquin, tins.....oz	35.00	38.00
Heliotropin, dom., 100-10 lb.....lb	1.25	2.00	Phenylacetic Acid, 1 lb bot.....lb	3.00	3.25	Synthetic, See Aromatic Chemicals		
Imported.....lb	2.25	2.50	Phenyl Diacetate, 1 oz. bot.....oz	3.25	3.50	Orris Rt. Flor., powd. tbls.....lb	.12	.13
Hydroxycitronellal, 1 lb bot.....lb	12.00	14.00	1 lb bot.....lb	8.00	10.00	Verona, 40 lb chys.....lb	.03	.09
Indol, CP, 1 oz. bot.....oz	6.00	6.50	Imported.....lb	7.00	7.75	Petrolatum, snow white 350 lb bbls.....lb	.12%	.13
Iosone, 1 lb bot. 100%.....lb	10.00	11.00	Phenylethyl Butyrate, 1 lb bot.....lb	26.00	28.00	Light Amber, 350 lb bbls.....lb	.04%	.05
Alphas.....lb	14.50	16.00	Formate, 1 lb bot.....lb	19.00	21.00	Rice Starch, 140 lb bags.....lb	.09	.10
Beta.....lb	12.75	14.50	Propionate, 1 lb bot.....lb	20.00	24.00	Rose Water, 6 2-3 gal chys.....gal	1.00	1.25
Methyl.....lb	16.00	18.00	Valerate, 1 lb bot.....lb	25.00	29.00	Sandalwood chips, powd. bags.....lb	.30	.35
Iso-Butyl Benzoate, 5 lb bot.....lb	4.75	5.00	Phenylpropylalcohol, 1 lb bot.....lb	15.00	16.00	Saponin, 5 lb tins.....lb	1.25	1.50
			Skatol, 1 oz. bot.....oz	7.00	7.25	Tale Italian, 220 lb bags.....ton	60.00	80.00
						French, 220 lb bags.....ton	40.00	45.00
						Domestic, ref., 100 lb bags.....ton	14.00	15.00

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Sperm, 250 bbls., Baring Bros. & Co., Glasgow; Sulfur Olive, 300 bbls., Nat. City Bk., Bari; Wood, 6 dms., P. A. Cundill & Co., Shanghai; 182 cs., G. W. S. Patterson Co., Shanghai; 117 dms., St. Clair Oil Co., Shanghai; 158 cks., Bingham & Co., Shanghai; 354 bbls., Viele Blackwell & Buck, Shanghai; 148 cks., Irving Bk., Shanghai; 96 bbls., Order, Shanghai; 96 bbls., Olivier Produce Corp., Shanghai

OILS, ESSENTIAL—10 cs., Orbis Products Trdg. Co., Marseilles; 3 dms., B. T. Bush Inc., Batavia; 120 bbls., Bk. of Manhattan Co., Marseilles; 7 cs., Ungerer & Co., Havre; 6 cs., Orbis Products Trdg. Co., Havre

25 cs., Equit. Trust Co., Singapore; 6 cks., Chem. Nat. Bk., Marseilles; 3 cs., G. Lueders & Co., Grasse; 23 cs., Products Trdg. Co., Grasse; 13 cs., Fritzsche Co., Grasse; 7 cs., Order, Grasse; Bay, 5 cs., H. Hickelsen Co., Arroyo; Geranium, 3 cks., J. Manheimer, Marseilles; 3 cks., Davies Turner & Co., Marseilles; 20 cs., Order, Marseilles; Camphor, 33 dms., Seral Trdg. Corp., Shanghai; 30 dms., Importers Comm. Co., Shanghai; 21 dms., Anglo So. Amer. Trust Co., Shanghai; Cassia, 30 cs., Order, Hongkong; Cinnamon, Leaf, 5 dms., Phila. Nat. Bk., Colombo; Vetiver, 2 cs., Ungerer & Co., Marseilles

OXIDE—Red, 30 cks., J. Lee Smith & Co., Hull

PHOSPHATE—645 bgs., Order, Antwerp

PITCH—Stearine, 200 bbls., Order, Liverpool

POTASSIUM SALTS—25 bbls., Order, Hamburg; Manure Salt, 275,000 kilos, Societe Comm. Des Potasses, Antwerp; Nitrate, 1,016 bgs., 203 cks., Kutoffroff Pickhardt & Co., Hamburg; Prussiate, 36 kgs., C. Tennant Sons & Co., Liverpool

POTATO STARCH—250 bgs., Spier Simmons & Co., Rotterdam; 100 bgs., Arabol Mig. Co., Rotterdam

QUICKSILVER—50 flasks, H. N. Peabody & Co., Trieste; 200 uasks, A. H. Pickering, Trieste

QUININE—Sulfate, 1 cse., E. G. Gandesaboos, Antwerp

RESIN—10 bbls., Schutte & Focke, Azua; 4 bbls., Mecke & Co., Azua

ROCHELLE SALTS—60 bbls., W. Neuburg Co., Rotterdam

ROOTS—79 bls., Order, Trieste; Bardane, 25 bls., Banque Belge Pour l'Etranger, Antwerp; Dandelion, 18 bgs., Lo Curto & Funk, London; Euphorbia Piliulifera, 13 bls., Order, Colombo; Jalap, 7 cks., H. Friest & Co., Vera Cruz; Rhubarb, 17 cs., S. B. Penick & Co., Shanghai; 17 cs., Peck & Velsor, Shanghai; 48 cs., P. E. Anderson & Co., Shanghai; Soapwort, 4 bgs., Davies Turner & Co., Marseilles

SALT PETRE—100 cks., Lo Curto & Funk, Hamburg

SEEDS—Canary, 150 bgs., Levy & Lewis, Rotterdam; Caraway, 300 bgs., Levy & Lewis, Rotterdam; Cardamom, 30 pgs., Brown Bros. & Co., Colombo; Castor, 1,600 bgs., F. Matarazzo, Bahia; 4,000 bgs., Nat. City Bk., Santos; 3,000 bgs., Order, Santos; 5,000 bgs., Central Union Trust Co., Santos; Coriander, 25 cks., Order, Marseilles; Cumia, 195 bgs., Westminster Bk., Hamburg; 148 bgs., Nat. City Bk., Trieste; 339 bgs., Order, Trieste; Mustard, 214 bgs., Herbst Bros., London; 260 bgs., Archibald & Lewis, London; 426 cks., Order, London; Poppy, 100 bgs., Archibald & Lewis, Rotterdam; Rape, 200 bgs., A. G. Dunn, Rotterdam

SENNA—374 bls., Order, Colombo; 200 bgs., Order, Colombo

SHELLAC—500 bgs., Brunswick Balke Colender Co., Calcutta; 200 bgs., British Overseas Bk., Calcutta; 50 bgs., Order, Calcutta; 150 bgs., N. Y. Trust Co., Calcutta; 129 bgs., Brown Bros. & Co., Calcutta; 815 bgs., Order, Calcutta; 9 cs., C. F. Gerlach, Rotterdam; Garnet Lac, 425 bgs., Brown Bros. & Co., Calcutta; 150 bgs., Brown Bros. & Co., Calcutta; 30 cs., Order, Hamburg; Refuse Lac, 28 bgs., Marx & Rawolle, Calcutta; Seed Lac, 333 bgs., Marx & Rawolle, Calcutta; 100 bgs., Order, Calcutta; 250 bgs., N. Y. Trust Co., Calcutta; 32 bgs., Marx & Rawolle, Calcutta; 100 bgs., H. W. Peabody & Co., Calcutta; 808 bgs., Order, Calcutta; Sticklac, 168 cs., Order, Singapore; 168 cs., Order, Singapore; 70 cs., Nat. City Bk., Singapore; 35 cs., Nat. Park Bk., Singapore; 112 cs., Internat'l Bkg. Corp., Singapore; 412 bgs., Amsinck Sonne & Co., Singapore

SOAP—60 cs., R. H. Macy & Co., Marseilles

SODIUM SALTS—Cyanide, 135 cs., Order, Liverpool; 256 cks., Roessler & Hasslacher Chem. Co., Rotterdam; Carbonate, 7 cs., Burroughs Wellcome & Co., London; Hydrosulfite, 131 cks., Kutoffroff Pickhardt & Co., Rotterdam; Nitrate, 250 cks., Kutoffroff Pickhardt & Co., Rotterdam; 426 bgs., Wessel Duval & Co., Antogastaga; 18,423 bgs., Wessel Duval & Co., Iquique; 6,872 bgs., E. I. Dupont de Nemours Co., Iquique; Perborate, 101 cks., Intern. Acceptance Bk., Rotterdam; Prussiate, 31 cks., Order, Rotterdam; Silico Fluoride, 200 bbls., Innis Speiden Co., Rotterdam; Sulfate, 50 dms., R. F. Downing & Co., Bristol; Sulfhydrate, 265 dms., C. S. Grant Co., Rotterdam

SPICES—Cassia, vera, 524 bls., Order, Belawan; Cinnamon, 100 bls., Bk. of Commerce, Colombo; 100 bls., Order, Colombo; Quilla, 10 pgs., W. Schall & Co., Colombo; Cloves, 400 bls., Italia Amer. Shpg. Corp., Naples; Ginger, 409 bgs., Order, London; Mace, 40 cs., Order, Singapore; 34 cs., Bk. of Amer., Singapore; 50 cs., Bk. of Amer., Batavia; 22 cs., Standard Bk. of So. Africa, Batavia; Nutmegs, 50 bgs., Order, Singapore; 195 cs., Equit. Trust Co., Macassar; 400 bgs., Brown Bros. & Co., Batavia; 48 bgs., Standard Bk. of So. Africa, Batavia; Paprika, 105 bgs., Lundt & Co., Alicante; 100 bgs., J. Wertheimer & Sons, Alicante; 560 bgs., Erie R.R. Co., Alicante; 525 bgs., R. F. Downing & Co., Alicante; 100 bgs., Van Loan & Co., Alicante; 50 bgs., Judson Freight Fwdg. Co., Alicante; 100 bgs., Prudential Natl. Co., Alicante; 150 bgs., Order, Alicante; Pepper, 658 bgs., Italia Amer. Shpg. Corp., Naples; 500 bgs., Order, Macassar; 257 bgs., Lee Higginson & Co., Samarang; 250 bgs., Bk. of Amer., Batavia; 495 bgs., Equit. Trust Co., Batavia; 165 bgs., Irving Bk., Batavia; 165 bgs., Guaranty Trust Co., Batavia; 280 bgs., Bankers Trust Co., Batavia; 100 bgs., Standard Bk. of So. Africa, Batavia; Black, 500 bgs., Catz Amer. Co., Batavia; 7,317 bgs., Order, Telok Betong; White, 1,410 bgs., Order, Singapore; 140 bgs., Order, Singapore; 170 bgs., Order, Singapore; Pimento, 25 bgs., Yohalem & Diamond, Alcazar; 19 bgs., F. J. Benkert & Co., Alicante; 25 bgs., G. W. Sheldon & Co., Alicante; 250 bgs., J. Brown Bros. & Co., Alicante; 200 bgs., J. Wertheimer & Sons, Alicante; 50 bgs., Archibald & Lewis, Alicante; 60 bgs., L. C. Dever, Alicante; 100 bgs., E. C. Marks & Co., Alicante; 50 bgs., 25 cs., Baltimore & Ohio R.R. Co., Alicante; 375 bgs., 28 cs., Amer. Hawaiian S.S. Co., Alicante; 130 cs., 900 bgs., Order, Alicante; 100 bgs., Order, Kingston

SPONGES—14 cs., J. H. Rhodes & Co., London; 13 bls., Greek Amer. Sponge Co., Nassau

STRONTIUM—Nitrate, 305 cks., Meteor Products Co., Rotterdam

SUMAC—50 bgs., Order, Alexandretta

TAPIOCA—525 bgs., Nat. City Bk., Sourabaya; Flour, 460 bgs., French Amer. Bkg. Corp., Batavia; 1,000 bgs., Stein Hall & Co., Batavia; 1,300 bgs., Goldman Sachs & Co., Batavia; 7,305 bgs., Nat. City Bk., Sourabaya; 253 bgs., Bk. of N. Y. & Trust Co., Batavia; 707 bgs., French Amer. Bkg. Corp., Batavia; 2,050 bgs., Goldman Sachs & Co., Batavia; 510 bgs., Order, Batavia; Pearl, 751 bgs., Order, Penang; 1,276 bgs., Nat. City Bk., Sourabaya

TARTRATES—596 cks., C. Pfizer & Co., Marseilles; 472 cks., Royal Baking Powder Co., Marseilles

UMBER—25 cks., Nat. City Bk., Bristol

VALONIA—2,667 bgs., Order, Smyrna

VANILLA BEANS—117 cs., Bk. of N. Y. & Trust Co., Marseilles; 20 cs., Menhinick & Thomson, Marseilles; 2 cs., J. B. Horner, Marseilles; 20 cs., G. Lueders, Marseilles

WAX—20 bgs., Trust Co., N. Y., Lisbon; 5 seroons, J. J. Julia & Co., Monte Cristi; 3 bgs., Yglesias & Co., Sanchez; Bees, 32 bbls., D. Steengrafe, Caibarien, Cuba; 9 bgs., J. J. Julia & Co., Azua; 3 bgs., Schutte & Focke, Azua; 8 bgs., J. J. Julia & Co., Santo Domingo; 4 bgs., Curacao Trdg. Co., Santo Domingo; 2 seroons, J. J. Julia & Co., Monte Cristi; 7 bgs., Nat. Bk. of Commerce, Alexandria; 30 bgs., Bk. of Amer., Alexandria; 17 bgs., Order, Havana; Carnauba, 113 bgs., Nat. City Bk., Ceara; 124 bgs., Lazard Freres, Ceara; 223 bgs., N. Y. Trust Co., Ceara; 56 bgs., Order, Ceara; 33 bgs., Order, Rio de Janeiro; Paraffin, 2,800 bgs., Asiatic Petroleum Co., Balikpapan; Spermaceti, 50 cs., Order, London

WHITING—200 bgs., C. B. Chrystal & Co., Bremerhaven

WOODFLOUR—723 sks., Bakelite Corp., Rotterdam; 800 bgs., A. Kramer, Rotterdam

WOOL GREASE—25 bbls., Order, Antwerp; 20 bbls., Marden Wild Corp., Hull

YOLK—8,820 cs. (frozen) egg, H. J. Keith Co., Shanghai; 3 cs., Dodwell & Co., Shanghai

ZINC—Chloride, 35 dms., C. Hardy Inc., Rotterdam; Oxide, 30 bbls., Chem. Nat. Bk., Marseilles; 52 bbls., Order, Marseilles; 60 bbls., Reichard Coulston Inc., Marseilles; 25 cks., Waldo Bros., Antwerp; 150 bbls., Amer. Exch. Nat. Bk., Marseilles

DRUG

IME

CHALK—

Antwerp

COTTON—

Hull; 2

Mass; 100

bbls; 100

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IMPORTS AT BALTIMORE

Jan. 2 to 8

CHALK—1,100 bags, Billiard & Co., Scythian, Antwerp
 COTTONSEED PITCH—150 bbls., William H. Hull; 20 bbls., William H. Masson, Quaker Masson, Manchester Importer, Manchester; 100 bbls., William H. Masson, Quaker City, City, Hull
 FLUOR SPAR—354 tons, Buck, Kieber & Co., New York, Quaker City, Middlesbrough
 MAGNESIUM CHLORIDE—75 drums, 45,000 lbs., William H. Masson, Deuel, Hamburg
 NITROGENOUS FERTILIZER—2,296 bags, Hollinghurst & Co., Inc., Scythian, London; 1120 bags, William H. Masson, Quaker City, Hamburg
 PITCH—127 bbls., to order, Quaker City, Hull
 POTASH—171 bbls., 180,000 lbs., Roessler & Hasslacher Chemical Co., New York, Deuel, Hamburg; Carbonate, 96 casks, Parsons & Petit, New York, Deuel, Hamburg
 SEED—Mustard, 199 sacks, McCormick & Co., Quaker City, London
 SODA—Nitrate, 108 bags, Swindell Bros., Tortugas, Havre

IMPORTS AT BOSTON

Jan. 3 to 10

CASEIN—584 bags, Bank of America, Buenos Aires; 833 bags, Bank of Manhattan, Buenos Aires
 EXTRACTS—Quebracho, 1,000 bags, Internatl. Prods. Co., Buenos Aires; Gambier, 252 cases, Order, Far East; 162 bags, Order, Far East
 MAGNESITE—28 casks, Frazer & Co., Glasgow

IMPORTS AT PHILADELPHIA

Dec. 31 to Jan. 7

ACID—Cresylic, 24 drums, Order, Glasgow
 AMMONIUM—Bromide, 10 cases, Order, Hamburg; Nitrate, 233 casks, Order, Hamburg
 BAUXITE—6,530,000 kilos, Order, Sibenik
 CALCIUM—Chlorate, 1,185 casks, Seaboard Nat. Bank, Hamburg
 CHALK—500 tons, Brown Bros. & Co., London
 CHEMICALS—66 cases, Order, Hamburg
 EXTRACT—Logwood, 800 tons, Am. Dyewood Co., Briarpark; 920 tons, Order, Briarpark
 FLUORSPAR—110,200 kilos, Wm. Schall & Co., Hamburg
 HYDROGEN PEROXIDE—60 ballons, W. D. R. Evans, Hamburg
 LITHOPONE—80 casks, A. Klipstein & Co., Antwerp
 MAGNESIUM CHLORIDE—130 drums, Brown Bros. & Co., Hamburg
 OIL—Olive, 100 cases, Order, Leghorn; Palm, 128 casks, African & Eastern Trdg. Co., Hamburg; 155 bbls., Order, Hamburg; Sulfur Olive, 25 bbls., Brown Bros. & Co., Naples; 100 bbls., Phila. Nat. Bk., Naples; 150 bbls., Phila. Nat. Bank Bari
 OPIUM—10 cases, Order, Constantinople
 POTASH—Manure Salt, 240,000 kilos, Societe Comm. des Potasses d'Alsace, Antwerp; Muriate, 448 bags, Order, Antwerp
 SEED—Canary, 100 bags, E. B. Howard, Constantinople
 SHELLAC—110 bags, Anglo South Am. Trust Co., Calcutta; 10 bags, Order, Calcutta
 SODIUM—Bromide, 29 cases, Order, Hamburg; Nitrate, 21 casks, Minoque, Daniel, Christiania; 85 casks, Order, Hamburg
 PHOSPHATE, 20 casks, Order, Antwerp
 SYLVANITE—270,000 kilos, Societe Commercial des Potasses d'Alsace, Antwerp

TALC—200 bags, L. A. Salomon & Bros., Genoa
 ZIRCONIUM OXIDE—5 cs., Order, Hamburg

IMPORTS AT NEW ORLEANS

Jan. 3 to 10

CHICLE—631 bags, Port Barrios
 POTASH—Muriate, 400,103 lbs., Belgium; Manure Salts, 515,776 lbs., Belgium
 PYRIDINE—500 gals., England
 SODA—Nitrate, 4,000 tons, Chile; 417 casks, Hamburg; 115,375 bags, E. I. Du Pont de Nemours & Co., Chile

IMPORTS AT SAN FRANCISCO

Dec. 27 to Jan. 3

ACID—Arsenic, 200 cases, Order, Manila
 COPRA—2,267 sacks, Atkins Kroll & Co., Tahiti; 1,345 sacks, Henry Gray & Co., Tahiti; 1,550 sacks, Wightman & Crane, Tahiti; 1,620 sacks, Paul I. Fagan & Co., Tahiti; 1,700 sacks, American Finance & Commerce Co., Tahiti; 3,315 sacks, Order, Tahiti
 CASSIA—200 cases, Order, Manila; 400 cases, Order, Hongkong
 EXTRACTS—Quebracho, 1,027 bags, First National Bank of Boston, Buenos Aires; 400 bags, Order, Buenos Aires
 IRON—Chloride, 200 casks, Braun-Knecht-Heinman, Hamburg
 OIL—Wood, 20 drums, Order, Manila
 SANDALWOOD—18 cases, Antoine Chiris & Co., Tahiti
 SPICES—Cinnamon, 150 bales, Order, Manila
 VANILLA BEANS—119 cases, Williams Dimond & Co., Tahiti
 WAX—Paraffine, 500 bags, Order, Buenos Aires

The annual convention of Paraffine Companies, Inc. was held the last of the year at the Whitcomb Hotel, San Francisco, with two hundred salesmen and executives in attendance. The purpose of the gathering was explained by sales manager B. J. Williams, following an opening address by vice-president and general manager R. S. Shainwald, chairman of the convention. F. M. Prince, export manager, who returned recently from a tour of Mexico, said that a heavy business with that country was in prospect.

During the first eleven months of 1924 the exports of coal tar chemicals, valued at \$9,436,000, failed to reach the figure for the corresponding period in 1923 by 16 per cent. Foreign sales of coal tar colors, dyes and stains, the most important individual item, receded from 16,663,000 pounds, worth \$5,188,000, in the eleven months of 1923 to 14,691,000 pounds, valued at \$5,256,000, in the 1924 period.

A report from the Chamber of Commerce of Portland, Maine, says that Leonard W. Cronkhite Company of Boston is making inquiries regarding the deposits of fine clay in the southern parts of Maine.

MAKERS ADVANCE COCAINE PRICES

American manufacturers advanced prices for cocaine hydrochloride fifty cents per ounce on Tuesday, Jan. 13, and now quote on the following basis: Bulk in 25 oz. lots at \$7.50 per ounce; 1 oz. vials, 7c higher; ½ oz., 15c higher; ¼ oz., 30c higher; ⅛ oz., 50c higher. Price covers flake, large crystals, granular, and powdered. The advance follows higher cost of coca leaves and reported small supply in primary markets. In connection with coca import restrictions, reports indicate the supply of decocanized coca leaves is far below soft drink requirements in this country. Foreign decocanized leaves will not answer, according to reports, owing to the use of benzol abroad for cocaine extraction.

Commercial Solvents' issue of \$3,200,000 five year convertible 6½ per cent notes has all been sold. The notes represent the only funded debt of the company and are convertible at any time before maturity, into Class B stock at the rate of one share of stock for each \$110 principal amount of the notes.

ACETONE, C. P.

Highest quality. Available for immediate shipment in tank cars or drums at a price no higher than material of inferior quality.

Commercial Solvents Corporation

SALES OFFICES:

17 East 42nd Street 10a Featherstone Bldgs.
 NEW YORK, N. Y. High Holborn WC1
 LONDON, ENGLAND

Terre Haute
 INDIANA

PLANTS:—Terre Haute, Ind. and Peoria, Ill.

LESS TURPENTINE USED IN 1923

During the calendar year 1923 more than 6,700,000 gallons of turpentine and 908,000 round barrels of rosin were used by industries in the United States, according to a compilation by the Bureau of Chemistry, United States Department of Agriculture. The same industries used 8,718,900 gallons of turpentine and 754,927 round barrels of rosin during 1922.

The industries reporting quantities of rosin and turpentine used by them include the makers of paints, varnishes, soaps, paper, rosin oil, pitch, printing inks, shoe polish, leather dressings, automobiles, buggies, wagons, sealing wax, fly paper, insulation, oils, greases, linoleum, oilcloth, roofing, iron, steel, pharmaceuticals, and woodenware, and the operators of shipyards. Of these industries paint, varnish, shoe polish, leather dressings, automobile, buggy and wagon makers use the greater part of the turpentine, while the soap, paper, paint and varnish makers use by far the larger part of the rosin.

These statistics do not include the turpentine and rosin sold at retail throughout the country to the smaller users who buy in barrel or smaller lots. The quantity of turpentine sold in this way is probably large, and the quantity of rosin small.

CHEMICAL WAGES ADVANCING IN GERMANY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, Jan. 3.—Conditions in the Hamburg chemical market have not altered lately and trade is comparatively quiet. Consumers are only buying to the extent of actual requirements and are not taking on stocks though prices of most products are advancing. In potash salts there is a large turnover. There has been a noticeable increase in foreign enquiries, recently, and an improvement in the volume of business, especially for export, is expected after the conclusion of trade agreements with other countries, as free imports are stopped from Jan. 10 next year. These trade agreements are of great importance and may influence the chemical trade considerably.

Wages in the chemical industry have been raised during the month and in group 1 (districts where cost of living is higher than the average) 63 to 66 marks per hour (about 16 cents) are paid to skilled workmen; 56 to 58 marks (about 14 cents) to semi-skilled men, and 52 to 54 (about 13 cents) to laborers. Married men receive 4 cents per shift extra and 4 cents for every child. In group 2 (provincial districts) wages are 6 per cent lower.

EQUIPMENT EXHIBIT BARS THE PUBLIC

The Association of Chemical Equipment Manufacturers, which will hold an exposition at Providence, R. I., in June, 1925, will bar the public from the exhibition, in order that technical men and executives of industrial enterprises may have entirely unhampered opportunities to study the relation of chemical processes to their production problems. Men of the classes mentioned are being informed of the exposition by individual invitation in cases where their names and company affiliations are known to the equipment manufacturers' association. The headquarters of the chemical equipment manufacturers are at 1328 Broadway, New York City. The Providence-Biltmore Hotel, the headquarters for the exposition week, and the Narragansett, Dreyfus and Crown Hotels in Providence are making reservations for those who plan to inspect the exposition.

Dr. E. G. Schmidt of Wisconsin University has entered Commercial Solvents as a research chemist.

ORGANIC CHEMICALS VALUED AT \$75,914,191

Total production of organic compounds in 1923, not covered by special chemical groups and not including alkaloids, coal tar derivatives, and synthetic plastics, as reported by establishments engaged primarily in the manufacture of chemicals, was valued at \$75,914,191. This represents an increase of 70 per cent compared with \$44,661,100 in 1921 and of 5.2 per cent compared with \$72,141,542 in 1919, according to the Census Bureau.

The production, for sale, of the leading compounds in this miscellaneous group of organic chemicals, as reported for 1923, was as follows (the items being listed in the order of their value): Refined glycerin, 74,104,854 pounds, valued at \$12,214,012; formaldehyde, 20,213,873 pounds valued at \$2,604,061; ethyl acetate, 2,529,788 gallons, valued at \$2,192,989; acetone, 8,742,805 pounds, valued at \$1,864,986; carbon bisulfide, 25,200,967 pounds, valued at \$1,337,024; and vanillin, 227,997 pounds valued at \$1,326,935.

GUGGENHEIMS TRANSFER NITRATE RIGHTS

Anglo-Chilean Consolidated Nitrate Corp., incorporated under the laws of Delaware, has acquired all of the properties of Anglo-Chilean Nitrate and Railways Co., Ltd., in Chile. Stock in the new company is owned by the Guggenheim Brothers of New York, who have turned over to it their nitrate lands purchased at auction from the Chilean Government last September, as well as the right to use of the lands, and the new Guggenheim process for extracting nitrates. This new process is based on the leaching at or near atmospheric temperature and crystallization by refrigeration, and permits the extraction of 90 to 95 per cent of the nitrate, whereas the old methods extracted from 55 to 60 per cent. Officers of the new company are E. A. Cappele Smith, president; J. K. MacGowan and Paul H. Mayer, vice-presidents; and W. E. Bennett, secretary-treasurer.

Kunhardt & Co., New York, has lost a suit in the Supreme Court against the Government to recover \$35,000 depreciation on a schooner which the company wished to sell during the war but was obliged to retain in order to fulfill contracts for delivery of castor beans to the army air service. The company claimed that the schooner was sold after the war for that much less than was offered for it at the time they wished to sell it.

Earnings of Glidden Co., manufacturers of paint and varnish for 1924, show a substantial gain over those for 1923, according to President Adrian D. Joyce's annual report to the stockholders. Gross sales for 1924 are \$19,614,396, against \$19,372,277 for 1923. The company has also acquired the rights, patents and property of Euston Lead Co. Scranton, and control of important zinc mines and smelters.

At the annual meeting of the Metric Association, at George Washington University, Washington, D. C., Dec. 29 and 30, the following officers were elected for the coming year: George F. Kunz, president; Arthur E. Kennelly, first vice president; Theodore H. Miller, second vice president; Wm. Jay Schieffelin, third vice president; Howard Richards, secretary; Frederick L. Roberts, treasurer.

Certain-teed Products Corp. is reorganizing its sales and executive forces with a view of going more aggressively after foreign trade. It is reported that European trade is picking up with the upturn of foreign exchange, particularly in Scandinavian countries. The company's orders for the first week in the year exceeded those for the same period last year by 35 per cent.

MABEY ON CHEMICAL FREIGHT RATES

(Continued from page 115)

receiver beyond, if the question be one of water competition, still uses his water lines as usual. He cannot lose; the man in the middle may lose,—he cannot win. In closing, the Commission has spoken many times upon the question of mileage versus grouping in rate making. The following citation appears apropos, in the case now under investigation:

"Interstate rates higher or lower than other interstate rates on the same commodity for hauls of equal length exist everywhere in the country, and there is nothing unusual about finding some intrastate rates higher or lower than interstate rates for like distances in and about Kansas or any other state. It is sufficient to say, without going into details or citing examples, that such situations could be avoided only by ignoring transportation, commercial, competitive, and economic conditions, making all rates on a strictly distance basis, with no grouping, and confining practically all traffic between given points to one route. Whether the increases be in interstate or intrastate rates, instances will occur in which a group rate will apply for a longer or shorter haul than a distance rate, or in other ways any one of the various discrepancies here stressed may occur. When these are brought to our attention it becomes our duty to ascertain whether they result in undue prejudice, undue preference, or unjust discrimination which lies within the scope of our power and duty to remove.

"This policy or contention of the Kansas Commission, if carried to its logical conclusion, would be so destructive of existing rate structures and of sound and well-established principles and methods of rate making that to state it is to condemn it. Probably no interested party would support it except the few who might temporarily secure an advantage therefrom. If we were to start with a clean slate, some so-called scientific basis of rate making, based on strict mileages, might be adopted, but, as it is, the process of rate making and dealing with rate situations must necessarily be one of evolution, not revolution."—(Kansas Rates, Fares, and Charges, 64 I. C. C., 680, 681.)

Pacific Development Corp., holding company for Pacific Commercial Co., Anderson Meyer & Co., U. S. Pacific Co., and W. G. Pratt & Co., has been placed in the hands of receivers on the complaint of Old Colony Trust Co., Boston, which holds notes for \$815,000 with due date of Dec. 31, 1924. The Pacific Corp. has been gradually liquidating since 1922 when the Chinese Government defaulted on obligations for \$5,500,000 loaned them by the corporation. The creditors are banks which have been co-operating in the liquidation. Waldo S. Reed was appointed receiver.

The London "Morning Post" has compiled figures showing the cost of the war in actual cash and in estimated capitalized value of the loss of life for the principal Allies. The British Empire lost a total of approximately £10,054,000,000; France, £8,126,639,000; United States, £5,519,594,000 and Italy £3,502,000,000. Great Britain's lead is given her through her greater expenditures amounting to £8,805,000,000. France sustained the greatest loss of life, losing 1,427,000 known dead.

The West Texas Chamber of Commerce is supporting a bill introduced in the U. S. Senate by Senator Morris Sheppard which provides for the appropriation of \$500,000 for the survey of the potash beds which underlie the greater part of Western Texas.

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CHEMIST—Familiar with flavoring extracts, food colors and similar products, wanted in advisory capacity to sales force calling on the grocery, bottling, extract and allied industries. Box 116, **DRUG & CHEMICAL MARKETS**.

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